



NATIONAL BOARD FOR TECHNICAL EDUCATION & FEDERAL MINISTRY OF HEALTH



NATIONAL DIPLOMA IN PARAMEDICS TECHNOLOGY PROGRAMME CURRICULUM AND COURSE SPECIFICATIONS

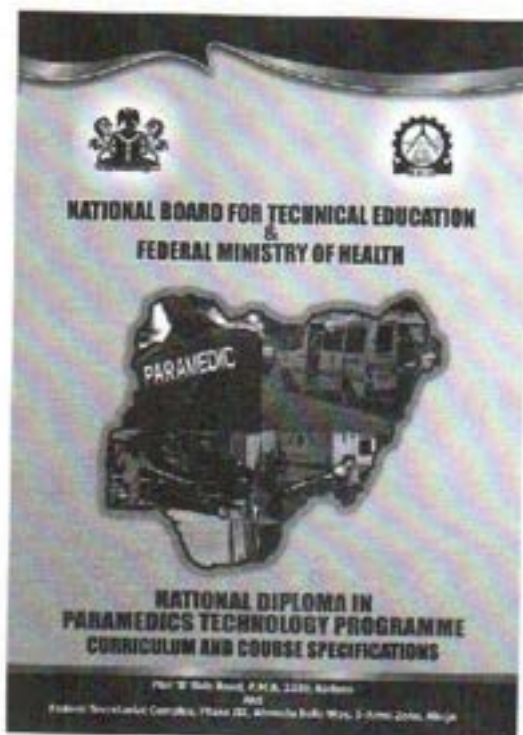
Plot 'B' Bida Road, P.M.B. 2239, Kaduna
And
Federal Secretariat Complex, Phase III, Ahmadu Bello Way, 3-Arms Zone, Abuja



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&
FEDERAL MINISTRY OF HEALTH**



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PARAMEDICS TECHNOLOGY PROGRAMME
CURRICULUM AND COURSE SPECIFICATIONS**



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FOREWORD

Trauma and other Medical Emergencies are among the commonest causes of death and permanent disabilities in Nigeria. Road traffic crashes and recently, plane crashes and bomb blasts have taken a toll as major causes of deaths in Nigeria. As an emerging and fast growing economy, there is no gain saying, the need for prompt medical emergency care during such emergencies as Road traffic crashes, domestic violence and natural medical conditions such as labour pains, sudden heart attacks, stroke, status asthmatics, civil up rise and natural disasters. When such emergencies occur, there is need for prompt and professional handling of victims so as to save lives, as timely response is critical for survivals.

Recent observations show that with the exception of a few states in Nigeria, the country has lacks adequate human and infrastructural capacities for coordinated management of pre-hospital medical emergency services. Paramedic training initiative should therefore be seen as a panacea for victims of such emergencies to receive immediate life saving care from trained health care personnel, starting from the scene of the incidents, as over 50% of deaths from such events are avoidable if appropriate medical intervention is instituted early.

For a coordinated response in trauma and medical emergencies, a stronger partnership is required among stakeholders in the health sector. For this reason, I inaugurated a Committee on the Education and Training of Paramedics for Nigeria's Healthcare Delivery System on the 21st of February 2013; with the responsibility of producing a Curriculum, and devising means of integrating the training of paramedics into the nation's healthcare system. The outcome of the Committee's work, culminated in the production of the National Curriculum for Paramedics. In August 2013, the National Council on Health (NCH), considered and ratified the first National Curriculum for Paramedics, and adopted a multi-sectoral approach in order to ensure full involvement of all sectors of the economy relevant to Paramedics Training. In addition, all sectors were encouraged to develop plans and implementation frameworks aimed at improving healthcare service delivery and boosting human resources for health, especially the first responders and pre-hospital stage managers in emergency response.

This curriculum has been a product of extensive and comprehensive participation of relevant stakeholders in the public and private sector. Experts were invited from the Academia, Tertiary and Specialist hospitals, and National Board for Technical Education, State Emergency Management Agencies, Private Emergency Service Providers, Development Partners and International Best Practice Review. The Committee's submission went through series of editing, which gave birth to this comprehensive Curriculum for Paramedics training at National Diploma level. This underscores my Ministry's commitment in playing the leadership role in reaching the optimum goals in medical and surgical emergencies in Nigeria, and to ensure adequate Emergency Response in all health facilities in Nigeria.

I recommend the Curriculum for the training of Paramedics in Nigeria.



Prof. C.O. Onyebuchi Chukwu
Honourable Minister for Health

PREFACE

A Paramedic is a health care personnel trained to provide advanced levels of care for medical emergencies and trauma. They are involved in pre-hospital care on site and en-route to a hospital. They are usually based on the 'field' in ambulances and emergency response vehicles but can assist in emergency care in the hospital. Paramedics are a vital group of professionals in health systems that are needed to drive emergency medical services worldwide. A healthcare system that lacks this group of people is bound to find itself embroiled in unnecessary loss of lives which could have been saved by timely response.

A visit to accident and emergency departments in our hospitals shows that the greater percentage of emergencies seen in our hospitals is from road traffic accidents (RTAs). Road traffic accidents result in patients brought in with a wide variety of body injuries ranging from fractures, dislocations, body trauma (both blunt and sharp) and abdominal, pelvic, limb and head injuries. Other emergencies seen includes obstetrics and gynecological emergencies, gunshot wounds, burns, bites, fall from height, and domestic conflicts. It is important to note that, good Samaritans who have no training whatsoever in transportation of such victims usually bring most Medical emergencies to the hospital. The various modes of transportation of these emergencies more often than not aggravate the injuries, sometimes converting incomplete spinal injuries to a complete quadriplegia.

In Nigeria, there has been no formal and comprehensive Curriculum for the Education and Training of Paramedics. Few schools training paramedics have been doing so without any nationally recognized curriculum. The National Paramedics Curriculum is an improvement on protocols operated by Schools of Paramedics and non-governmental organizations already involved in training. This curriculum was designed bearing in mind the wide scope of medical emergencies that the paramedic is expected to handle.

The Paramedic Training is a five-year course. The training shall be for a period of 5 (five) years as two years National Diploma (ND), one year practical clinical attachment and 2 years Higher National Diploma (HND). To prevent quackery, there will be no exiting after the ND programme. A candidate is not yet a paramedic and therefore cannot practice until the completion of the HND programme. However, exiting and practicing under supervision after the ND programme may be approved in the future when strong regulation has been put in place. Candidate must be a minimum of 18 years of age prior to graduation from the National Diploma.

The National Paramedics Curriculum places emphasis on acquisition of knowledge and skills required to save lives in life threatening conditions. It also lays emphasis on the safety of the paramedic even as he tries to save other lives. This curriculum will be reviewed regularly to accommodate modern trends in the training and practice of paramedics.

With this Curriculum, Nigeria will enter a new era where timely intervention will be key in the management of all medical emergencies.



Dr. O. J. Amedu, PhD, mni
Head, Trauma & Medical Emergency Services.
Department of Hospital Services

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S/N	NAME	DESIGNATION	ORGANIZATION
1	Prof. C.O. Onyebuchi Chukwu	Honourable Minister	Federal Ministry of Health
2	Dr. Muhammad Ali Pate	Honourable Minister of State	Federal Ministry of Health
3.	Amb. Sani Bala	Permanent Secretary	Federal Ministry of Health
4.	Dr. Patience Osinubi	Head, Department of Hospital Services	Federal Ministry of Health
5.	Dr. O.J. Amedu, mni	Head, Trauma, Medical Emergency Response & Disaster Management	Federal Ministry of Health
Members of Committee on Education and Training of Paramedics for Nigeria's Healthcare Delivery System			
	NAME	ORGANIZATION	STATUS
•	Prof. Temitope Alonge	University College Hospital, Ibadan	Chairman
•	Mrs. Helen Oduntan	National Board for Technical Education, Kaduna	Member
•	Mr V. E. Owan	National Emergency Management Agency, Abuja.	"
•	Mr Ali A. Ahmed	Federal Road Safety Corps, Abuja.	"
•	Detta Gleeson	International Committee of the Red Cross, Abuja.	"
•	Dr. Sydney Ibeanusi	Focal Point UN Decade of Action for Road Safety/Traffic Injury Prevention	"
•	Dr. Uche Ogba	Nigerian Red Cross Society	"
•	Dr. Nwauwa	Emergency Response Nigeria Ltd. P/Harcourt	"
•	Dr. Olurotimi O. Odunubi	Nigerian Orthopaedic Association	"
•	Rep LASEMA	Lagos State Emergency Management Agency	"
•	Rep. Rivers SEMA	Rivers State Emergency Management Agency	"
•	Mr. Tega Ukoko	Plus Factor, Abuja	"
•	Dr. Hassan Ismail	Aminu Kano Teaching Hospital	"
•	Dr. N.C. Obeka	Federal Teaching Hospital, Abakaliki	"

•	Mr. John Kehinde	Federal Ministry of Health	"
•	Dr. Biodun Ogungbo	Cedar Crest Hospital, Abuja	"
•	Mrs. Winifred Chukwu	Federal Teaching Hospital, Abakaliki	"
•	Dr. Kenneth Ozilo	Jos University Teaching Hospital	"
•	Dr. Chris Agboghroma	National Hospital, Abuja.	"
•	Dr. Moh'd Bashir	University of Maiduguri Teaching Hospital	"
•	Dr. Ahmed I. Suleiman	FCT Emergency Response Team	"
•	Dr. Seyi Oyesola	United Kingdom	"
•	CP Nike Abuwa	Nigeria Police Force	"
•	Pamella Hall	General Electric, Nigeria	Advisor
•	Oluwadamilola Akinsete	General Electric, Nigeria	Advisor
•	Dr. O.J. Amedu, mni	Federal Ministry of Health	Member/Secretary
Staff Federal Ministry of Health and Trauma, Medical Emergency Response and Disaster Management			
27	Mr. M.E.J. Bassey	Assistant Director, Planning Cell	Federal Ministry of Health
28	Dr. Ijeoma U. Okoli	Senior Medical Officer/T, MER&DM	Federal Ministry of Health
29	Dr. Philip K. Fadahunsi	Medical Officer/T, MER& DM	Federal Ministry of Health

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GENERAL INFORMATION

1.0. PROGRAMME NOMENCLATURE

National Diploma in Paramedics Technology

2.0. PROGRAMME'S GOAL:

The programme aims at producing lower level manpower (Technicians) in Paramedics Technology that can apply care concepts and operate efficiently under supervision in pre-hospital care for Medical Emergencies and Trauma.

3.0. PROGRAMME OBJECTIVES:

At the end of the programme, the diplomates are expected to:

- i. Ensure application of appropriate concepts and competencies during medical emergencies and trauma under supervision
- ii. Provide simple out-of-hospital or pre-hospital care on site and en-route to a hospital.
- iii. Assist in emergency care within the hospital.
- iv. Assist in the provision of inter facility transfer of medical emergencies and Trauma.
- v. Recognise the nature and seriousness of the patient's condition or extent of injuries to assess the requirements for emergency medical care
- vi. Administer simple basic life support care in medical emergencies and trauma.
- vii. Carryout effective assessment vital signs and management of fluid loss.
- viii. Ensure safe clinical practice during medical emergencies and trauma.
- ix. Know potential hazards associated with delivery of care in medical emergencies and trauma.
- x. Ensure team participation for effective team work during medical emergencies disasters and Trauma.

4.0 ENTRY REQUIREMENTS:

The entry requirements into the ND Paramedics Technology Programme are:

- i. 5 credit passes in WAEC, NECO, SSCE OR GCE 'O' Level; the subject combination includes: English, Mathematics, Biology/Health sciences, Chemistry and Physics at not more than two (2) sittings.
- ii. Minimum of 18 years of age prior to graduation from the National Diploma Programme
- iii. Must be physically fit and able to lift weight
- iv. Must be free from uncontrolled Diabetes and Hypertension, Epilepsy, active respiratory infection (i.e Tuberculosis)
- v. Must have current immunization for Hepatitis B, C, Tetanus, Meningitis
- vi. Must not have a criminal record
- vii. Free from substance abuse
- viii. Should have a verifiable residential address

5.0. CURRICULUM

The ND Paramedics Technology programme consist of four main components:

- i) General studies courses
- ii) Foundation courses
- iii) Professional courses, and
- iv) Students projects

6.0. CURRICULUM STRUCTURE/DURATION

- i) The ND Paramedics Technology programme is non-terminal, structured to last for four semesters of classroom, laboratory and clinical/field work activities within and outside the institutional setting at 60/40% (Clinical/field-60% and institution-classroom/simulation laboratory 40%).
- ii) The duration of each semester is 17 weeks made up as follows:-15 weeks of teaching i.e. lecture, recitation instructions and Laboratory/practical activities etc and 2 weeks for tests, quizzes, examinations and registration.
- iii) Finished written project works shall be submitted on or before three (3) weeks to the end of the fourth semester of the National Diploma.
- iv) One year Hospital/clinical attachment is compulsory before progression into the HND programme.

7.0 ACCREDITATION OF PROGRAMME

- i) Institutions offering the programme shall be accredited by the National Board for Technical Education (NBTE), in conjunction with the approved professional regulatory body and Trauma, Medical Emergency Response and

Disaster Management Division, Hospital Services Department, Federal Ministry of Health before the award of the National Diploma Certificate.

Details about the process of accreditation for the award of ND & HND are available from "Executive Secretary, Programmes Dept, NBTE, Plot B Bida Road, PMB 2239, Kaduna, Nigeria or www.nbte.gov.ng and Federal Ministry of Health Federal Secretariat Complex, Phase III, Ahmadu Bello Way, Abuja or www.health.gov.ng

- ii) Professional accreditation of the programme's diplomats shall be done by the professional regulatory before diplomats are allowed to practice within and outside Nigeria.

8.0. CONDITIONS FOR THE AWARD OF ND CERTIFICATE

Institutions offering accredited ND Paramedics Technology will award the certificate to candidates who have successfully completed the programme after passing the prescribed course work, examinations and written projects. National Diploma certificates shall be awarded based on the following classifications:-

-Distinction	-	CGPA	3.50	-	4.0
-Upper Credit	-	CGPA	3.00	-	3.49
-Lower Credit	-	CGPA	2.50	-	2.99
-Pass	-	CGPA	2.00	-	2.49

UNIFIED GRADING SYSTEM

% Score Range	Letter Grade	Grade Point	C
70-100	A	5	
60-69	B	4	
50-59	C	3	
40-49	D	2	
0-39	F	D	

9.0. ASSESSMENT CRITERIA

	ASSESSMENT CRITERIA		
	COURSE WORK, PRACTICAL & LABORATORY REPORTS	SEMESTER EXAMINATION	TOTAL
-Theory			
-Practical			
-Total	-	40	40
	30	30	60
	-	-	100

10.0. TRAINING OF NATIONAL DIPLOMA IN PARAMEDICS TECHNOLOGY STUDENTS

Health Institutions that are eligible to train this cadre of manpower are:-

- Institutions that are established by law/edict or given approval to train.
- The institution must have a designated department for the programme in the school as well as in the hospital/service area
- The Institution must be affiliated to a reputable/related health facility for student's practicals.
- The Institution must be well equipped based on the requirements listed in the curriculum.

NATIONAL BOARD FOR TECHNICAL EDUCATION
CURRICULUM TABLE

PROGRAMME: NATIONAL DIPLOMA IN PARAMEDICS TECHNOLOGY
LEVEL: NATIONAL DIPLOMA I

SEMESTER: FIRST

COURSE CODE	COURSE TITLE	L	T	P	CU/CH	TOTAL HOURS / SEMESTER	PRE-REQUISITE
PMT111	Introduction to Paramedics	3	-	1	4	60	-
PMT112	Introduction to Anatomy	2	-	2	4	60	-
PMT113	Introduction to Physiology	2	-	-	2	30	-
PMT114	Cell and Cellular Function	1	-	-	1	15	-
PMT115	Introduction to Social Psychology	2	-	-	2	30	-
PMT116	Use of Terminologies in Paramedics	1	-	-	1	15	-
PMT117	General Biology	1	-	1	2	30	-
PMT118	General Chemistry	1	-	1	2	30	-
PMT119	General Physics	1	-	1	2	30	-
COM101	Introduction to Computer	1	-	1	2	30	-
GNS111	Citizenship Education I	2	-	-	2	30	-
GNS102	Communication in English	2	-	-	2	30	-
TOTAL		19		7	26	390	

CH – Contact Hours

CU – Course Unit

KEY: L- Lecture per week

T- Tutorial

P – Practical

CURRICULUM TABLE

PROGRAMME: NATIONAL DIPLOMA IN PARAMEDICS TECHNOLOGY
LEVEL: NATIONAL DIPLOMA I

SEMESTER: SECOND

COURSE CODE	COURSE TITLE	L	T	P	CU/CH	TOTAL HOURS / SEMESTER	PRE-REQUISITE
PMT121	Basic Life Support I	2	-	4	6	90	-
PMT122	Integrated Anatomy and Physiology I (RS, CVS, CNS, GIT, GUS, MSS)	2	-	2	4	60	PMT 112 PMT 113
PMT123	Trauma Systems	2	-	1	3	45	-
PMT124	Assessment and Care Modules	1	-	2	3	45	-
PMT125	Basic Pharmacology	2	-	-	2	30	-
PMT126	Search and Rescue Techniques	1	-	2	3	45	PMT 118
PMT127	Professional Ethics and Law	1	-	-	1	15	-
PMT128	Introduction to Ambulance Services (+ Radiocommunication)	1	-	2	3	45	-
GNS121	Citizenship Education II	2	-	-	2	30	GNS 111
BAM126	Practice of Entrepreneurship	1	-	2	3	45	-
TOTAL		14		13	27	405	

KEY: L- Lecture per week

T- Tutorial

P – Practical

CU – Course Unit

CH – Contact Hours

CURRICULUM TABLE

PROGRAMME: NATIONAL DIPLOMA IN PARAMEDICS TECHNOLOGY

LEVEL: NATIONAL DIPLOMA II

COURSE CODE	COURSE TITLE	L	T	P	CU/CH	SEMESTER: FIRST TOTAL HOURS/ SEMESTER	PRE-REQUISITE
PMT 211	Triage and Transportation	2	-	2	4	60	PMT 124 PMT 128
PMT 212	Introduction to Pre-Hospital Trauma Life Support (PHTLS)	2	-	3	5	75	PMT 121
PMT 213	Introduction to Pre-Hospital Paediatric Life Support (PHPLS)	1	-	1	2	30	PMT 121
PMT 214	Introduction to Pre-Hospital Obstetrics Emergency (PHOE)	1	-	2	3	45	PMT 121
PMT 215	Introduction to Pre-Hospital Medical Emergency	1	-	1	2	30	PMT 121
PMT 216	Introduction to Pre-Hospital Geriatrics Emergency	1	-	1	2	30	PMT 121
PMT 217	Introduction to Pre-Hospital Psychiatric Emergency	1	-	1	2	30	PMT 121
PMT 218	Infection Control	2	-	1	3	45	-
GNS 228	Research Methodology	2	-	-	2	30	-
BAM 216	Entrepreneurship II	1	-	2	3	45	Ecd 126
TOTAL		14		14	28	420	

KEY: L- Lecture per week

T- Tutorial

P - Practical

CU - Course Unit

CH - Contact Hours

CURRICULUM TABLE

PROGRAMME: NATIONAL DIPLOMA IN PARAMEDICS TECHNOLOGY

LEVEL: NATIONAL DIPLOMA II

COURSE CODE	COURSE TITLE	L	T	P	CU/CH	SEMESTER: SECOND TOTAL HOURS / SEMESTER	PRE-REQUISITE
PMT 221	Research Project Writing	-	-	5	5	75	-
PMT 222	Introduction to Electrocardiography (ECG)	2	-	1	3	45	-
PMT 223	Introduction to Advanced Cardiac Life Support (ACLS)	1	-	2	3	45	PMT 121
PMT 224	Equipment Use and Maintenance in Emergencies	1	-	2	3	45	-
PMT 225	Introduction to Mass Casualty	2	-	2	4	60	-
PMT 226	Burns Management	2	-	1	3	45	-
		8		13	21	315	

KEY: L- Lecture per week

T- Tutorial

P - Practical

CU - Course Unit

CH - Contact Hours

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to Paramedics			
CODE: PMT 111			
DURATION: (Hours/week) Lecture: 3hrs		Tutorial -	Practical: 1hr
UNITS: 4 CU		Total: 4hrs (60hrs)	
GOAL: This course is designed to introduce students to paramedic practice			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Know the historical background of paramedic practice			
2.0 Understand the scope of paramedic practice			
3.0 Know the roles of paramedics in healthcare delivery			
4.0 Understand the concept of emergency medical services			

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to Paramedics			
COURSE SPECIFICATION: Theory/Practical			
GENERAL OBJECTIVE: 1.0 Know the historical background of paramedic practice		COURSE CODE: PMT 111	
SPECIFIC LEARNING OBJECTIVES (THEORY)		SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	EVALUATION
1.1 Define paramedic practice	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals	-Assignment -Test
1.2 Outline the historical background of paramedic practice			
1.3 State the importance of paramedic practice			

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to paramedics			
COURSE SPECIFICATION: Theory/Practical			
GENERAL OBJECTIVE: 2.0 Understand the scope of paramedic practice		COURSE CODE: PMT 111	
SPECIFIC LEARNING OBJECTIVES (THEORY)		SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	EVALUATION
2.1 Outline the scope of paramedic practice	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals	-Assignment -Questionnaire -Quiz -Test -Examination
2.2 Discuss the importance of Do Not Resuscitate (DNR) (advance directives)			
2.3 State the conditions necessary for the paramedic to have a duty to act.			
2.4 State the conditions that require a paramedics to notify other related			

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 111		Contact Hours/Week: 4hours/ Week
COURSE: Introduction to paramedics							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 3.0 Know the roles/responsibility of paramedic technicians in healthcare delivery							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
3.1 Outline the roles of paramedic technician (Personal safety, Safety of team, patient and bystanders, Patient assessment, Patient care, Lifting and moving patients safely, Transport/ transfer of care, Record keeping/data collection, Patient advocacy/rights, patient as a whole)	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Questionnaire -Quiz -Test -Examination	
3.2 State the professional attributes of a paramedic technician (appearance- neat, clean, positive image; maintains up-to-date knowledge and skills through continuing education, refresher courses; puts patient's needs as a priority without endangering self; maintains current knowledge of local, state, and national issues affecting ems)							

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Paramedics			COURSE CODE: PMT 111		Contact Hours/Week: 3hours/ Week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 4.0 Understand the concept of emergency medical services						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Define emergency medical services	-Lecture	-White board/				-Assignment
4.2 List the components of emergency medical services	-Discussion	marker				-Quiz
-Regulation and policy	-Assignment	-Posters/Charts				-Test
-Resource management		-Projector				-Examination
-Human resources and training		-Textbooks/				
-Transportation		Journals				
-Facilities						
-Communications						
-Public information and education						
-Medical direction						
-Trauma systems						
-Evaluation						
4.3 Explain access to the system i.e emergency call numbers and non emergency call numbers						
4.4 Explain the emergency medical system in Nigeria i.e National EMS*						

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT112		Contact Hours/Week: 4hrs/week
COURSE: Introduction to Anatomy						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 2.0 Know the anatomy of the musculoskeletal system						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Define skeleton 2.2 List the functions of the skeleton 2.3 List the components of the skeletal system (Skull, face, spinal column, thorax, pelvis, lower limb, upper limb) 2.4 List the bones in each of the component listed in 2.1 above 2.5 List the muscles in each of the components listed in 2.1 above 2.6 State the major nerve supply, arterial supply and venous drainage for each the component listed in 2.1 above 2.7 Define joint 2.8 State the types of joint	Lectures Discussions Assignment	Charts/ Posters - Anatomical models, -Skeleton -Projectors	Draw/ Label the bones systems listed in 2.1	Assist students to draw/ label different bones	Anatomical models, skeleton, bones	Test Quiz Assignment

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to Physiology			
COURSE CODE: PMT113			
DURATION: (Hours/week) Lecture: 2hrs	Tutorial: -	Practical: -	Total: 2hrs (30hrs)
UNITS: 2 CU			
GOAL: This course is designed to introduce students to Physiology.			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Know the level of organization of the body			
2.0 Understand blood and body fluids			

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Physiology						
COURSE CODE: PMT113				Contact Hours/Week: 2hrs/week		
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.0 Know the level of organisation of the body system						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define Physiology	-Lectures	Charts/ Posters – Projectors				-Test
1.2 State the level of organization of the body	-Discussions					-Quiz
-Cell	-Assignment					-Assignment
-Tissue						
-Organ						
-System						
1.3 Give examples of the levels listed above						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Physiology						
COURSE CODE: PMT113				Contact Hours/Week: 2hrs/week		
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.0 Know blood and body fluids						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Describe composition of the body fluid (water, blood)	-Lectures	Charts/ Posters – Projectors				-Test
2.2 Define homeostasis	-Discussions					-Quiz
2.3 Describe formation and composition of the blood	-Assignment					-Assignment
2.4 List functions of the white						

blood cells, red blood cells and platelets					
2.5 Define Anaemia and state its cases					
2.6 Outline normal blood indices (Packed cell volume, white cell count etc)					
2.7 Describe blood clotting mechanism					
2.8 Describe acid-base balance					

PROGRAMME: National Diploma in Paramedics Technology

COURSE: Cell and Cellular Functions

CODE: PMT 114

DURATION: (Hours/week) Lecture: 1hr

UNITS: 1 CU

Tutorial: -

Practical: -

Total: 1hrs (15hrs)

GOAL: This course is designed to provide students with the basic knowledge of cell and cellular functions

GENERAL OBJECTIVES: On completion of this course, the students will be able to

1.0 Know the basic structure and components of the cell

2.0 Know the different types of cell

3.0 Understand the physiologic basis of cellular functions

4.0 Understand applied physiology of the cell

PROGRAMME: National Diploma in Paramedics Technology

COURSE: Cell and Cellular Functions

COURSE SPECIFICATION: Theory/Practical

GENERAL OBJECTIVE: 1.0 Know the basic structure and components of the cell

COURSE CODE: PMT114

Contact Hours/Week: 1hr/week

SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define human cell 1.2 List the components of a cell 1.3 Describe cellular morphology	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Cell and Cellular Functions			COURSE CODE: PMT114			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 2.0 Know the different types of cells						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 List the types of cells based on their categories : -Regenerative ability i.e Labile, Stable, Permanent -Excitability i.e Excitable (smooth, skeletal and cardiac muscles) and Non- excitable 2.2 Describe each type listed in 2.1 above	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT114		Contact Hours/Week: 1hr/week
COURSE: Cell and Cellular Functions							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 3.0 Understand the physiologic basis of cellular functions							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
3.1 Describe the functions of each component of cell	-Lecture	-White board/				-Assignment	
3.2 Describe transport across cell membrane i.e.	-Discussion	marker				-Quiz	
Osmosis, Diffusion etc	-Assignment	-Posters/Charts				-Test	
3.3 Describe types of cellular respiration i.e. aerobic and anaerobic respiration		-Projector				-Examination	
		-Textbooks/ Journals					

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT114		Contact Hours/Week: 1hr/week
COURSE: Cell and Cellular Functions							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 4.0 Know application of cellular physiology to systemic functions							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
1.1 Describe the application of cellular physiology to cardiac functions	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination	
1.2 Describe the application of cellular physiology to respiratory functions							
1.3 Describe the application of cellular physiology to renal functions							

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to Social Psychology			
CODE: PMT 115			
DURATION: (11hrs/week) Lecture: 2hr	Tutorial: -	Practical: -	Total: 2hrs (30hrs)
UNITS: 1 CU			
GOAL: The course is designed to enable the student understand the dynamics of human behaviour in order to be able to ad just to situations and work effectively with others.			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Appreciate the basis of human behaviour			
2.0 Know the development of behaviour			
3.0 Understand the principles of personality development			
4.0 Know the processes of learning			
5.0 Understand human emotions			
6.0 Comprehend the processes of attitude formation and change			
7.0 Know the psychological effects of health.			

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Social Psychology				Contact Hours/Week: 2hrs/week		
COURSE CODE: PMT115						
GENERAL OBJECTIVE: 1.0 Appreciate the basis of human behaviour						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define Psychology	• Explain psychology and its historical development. • Explain methods of studying human behaviour. • Describe the relationship of psychology to other social sciences.	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals	1.6 Explain methods of studying human behaviour.	• Explain motives for human behaviour. • Use pictures to perception and stages of development	-Case studies on personal motivation -Self Evaluation Questionnaire.	-Assignment -Quiz -Test -Examination
1.2 Trace the development of psychology as efforts to understand human behaviour.						
1.3 Explain methods of studying human behaviour.						
1.4 Explain the interplay between psychology and other social sciences - Sociology, Economics, etc.						
1.5 Identify motives for behaviour (drives, needs, instincts, etc.)						

PROGRAMME: National Diploma in Paramedics Technology				Contact Hours/Week: 2hrs/week		
COURSE: Introduction to Social Psychology				COURSE CODE: PMT115		
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 2.0 Know the development of behaviour						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Define cognitive Development	- Explain the concepts: cognitive development, personality and self. - Explain socialization and its agents. - Explain stages of development. - Demonstrate perception using pictures. - Give assignment	- White board/ marker - Posters/Charts - Projector - Textbooks - Picture	2.7 Explain the states of development - infancy, adolescent and puberty.	Explain self evaluation exercise for students - what motivates them? Consider aspects of behaviour that is important for motivation and perception. Guidance on the use of case studies	Take the student to a festive home and study development of behaviour.	- Assignment - Quiz - Test - Examination
2.2 Explain personality development.			2.8 Explain perception.			
2.3 Define self-concept.			2.9 Explain personality development			
2.4 Explain socialization and its agents.						
2.5 Explain the states of development - infancy, adolescent and puberty.						
2.6 Explain perception.						

PROGRAMME: National Diploma in Paramedics Technology					Contact Hours/Week: 2hrs/week	
COURSE: Introduction to Social Psychology					COURSE CODE: PMT115	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 3.0 Understand the principles of personality development						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Define personality.	• Explain personality and its models. • Explain behaviourism • Conduct test.	-White board/ marker -Posters/Charts -Projector -Textbooks -Picture		Guide the students to apply the models of personality on their behaviour		-Assignment -Quiz -Test -Examination
3.2 Explain models of Personality						
3.3 Explain behaviourism.						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Social Psychology				COURSE CODE: PMT115		Contact Hours/Week: 2hrs/week
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 4.0 Know the process of learning						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Define learning. 4.2 List types of learning 4.3 State methods of Learning	Explain learning theories	- White board/ marker - Posters/Charts - Projector - Textbooks - Picture	4.4 Apply learning theories to real life situation using animals or human beings	.	Use internet to obtain real life Situations	-Assignment -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology							
COURSE: Introduction to Social Psychology			COURSE CODE: PMT115		Contact Hours/Week: 2hrs/week		
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 5.0 Understand human emotions							
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1	Define emotion.	- Explain emotion and part of the brain that controls emotions. - Explain types of emotions.	-White board/ marker -Posters/Charts -Projector -Textbooks -Picture -Diagrams of human brain.		The students should undertake a visit a psychiatric institution for practical exposition to emotion	Use of arranged visit - planned development	-Assignment -Quiz -Test -Examination
5.2	Define types of emotion						

PROGRAMME: National Diploma in Paramedics Technology				Contact Hours/Week: 2hrs/week				
COURSE: Introduction to Social Psychology				COURSE CODE: PMT115				
COURSE SPECIFICATION : Theory/Practical								
GENERAL OBJECTIVE: 6.0 Comprehend the process of attitude formation and change								
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
6.1	Explain attitude formation	- Explain attitude formation and its components. - Describe causes of change in attitude. - Explain the various motivational theories.	- White board/ marker - Posters/Charts - Projector - Textbooks - Picture - Diagrams of human brain.	6.6	Identify the components of attitude.	- Guidance on the link between attitude and motivation. - Reference to theories of motivation. - Use of an attitude survey.	- Use of business scenarios and problems to identify the impact of poor attitude and low motivation. - Problem solving activities.	- Assignment - Quiz - Test - Examination
6.2	Identify the components of attitude.			6.7	Explain change of attitudes			
6.3	Explain change of attitudes.			6.8	Define motivation.			
6.4	Define motivation.			6.9	Explain theories of motivation.			
6.5	Explain theories of motivation.							

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT115		Contact Hours/Week: 2hrs/week
COURSE: Introduction to Social Psychology						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 7.0 Know the psychological effects of health						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
7.1 Define health	- Explain health. - Explain causes of ill health and their - Manifestations - Explain psycho-social factors in health. - Conduct test.	-White board/ marker -Posters/Charts -Projector -Textbooks	7.6 Explain causes of ill health.	Invite a para-medical staff to deliver a lecture on ill health, fatigue, frustration etc.	- Use of business scenarios and problems to identify the impact of poor attitude and low motivation. - Problem solving activities.	-Assignment -Quiz -Test -Examination
7.2 Explain causes of ill health.			7.7 Explain fatigue, frustration and interest			
7.3 Explain fatigue, frustration and interest			7.8 Explain psycho-social factors in health (poverty hunger)			
7.4 Explain psycho-social factors in health (poverty hunger)						
7.5 Explain coping mechanism, (relaxation therapy, behaviour modification).						

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Use of Terminologies in Paramedics			
CODE: PMT 116			
DURATION: (Hours/week) Lecture: 1hr		Tutorial -	Practical: -
UNITS: 1 CU		Total: 1hr (15hrs)	
GOAL: This course is designed to enable the students know terminologies used in paramedic practice			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Know specific terminologies applicable to various medical emergencies and trauma (e. g. patient, transport, communication, environment etc)			

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Use of Terminologies in Paramedics						
COURSE SPECIFICATION : Theory/Practical			COURSE CODE: PMT 116			
Contact Hours/Week: 1hr/week						
GENERAL OBJECTIVE: 1.0 Know specific terminologies applicable to various medical emergencies and trauma						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 List specific terminologies applicable to various medical emergencies in relation to the followings: -patient -transport -communication -environment	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				Assignment Quiz Test
1.2 Explain the basis for the use of the terminologies listed above						

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: General Biology			
CODE: PMT 117			
DURATION: (Hours/week) Lecture: 1hr		Tutorial -	Practical: - 1hr
UNITS: 2 CU		Total: 2hr (30hrs)	
GOAL: This course is designed to enable students acquire more knowledge of living things			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Understand the concept of living things.			
2.0 Understand the structure of cells .			
3.0 Understand the principal features of different groups of living things.			
4.0 Know the method by which plants and animals feed themselves.			
5.0 Know the methods by which organisms generate energy from their food			
6.0 Understand the methods by which substances are moved in the bodies of plants and animals			
7.0 Understand how plants and animals remove their waste products.			

8.0 Understand how living things move
9.0 Know how living things increase in size and number
10.0 Understand the interaction between an organism and its environment
11.0 Know Man's interference with his environment.
12.0 Understand the fundamentals of inheritance

PROGRAMME: National Diploma in Paramedics Technology					
COURSE: General Biology				COURSE CODE: PMT 117	Contact Hours/Week: 2hr/week
COURSE SPECIFICATION : Theory/Practical					
GENERAL OBJECTIVE: 1.0 Understand the concept of living things.					
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	EVALUATION
1.1 Define Biology.	-Lecture	-White board/			Assignment Quiz Test
1.2 List living and non-living things in his/her immediate environment	-Discussion	marker			
1.3 List the characteristics of living organisms	-Assignment	-Posters/Charts -Projector -Textbooks/ Journals			
1.4 Illustrate the differences between a plant, an animal and a protist-e.g. - Mango tree plant, mycobacterium tuberculosis for protist, Man for animal)					

PROGRAMME: National Diploma in Paramedics Technology					
COURSE: General Biology				COURSE CODE: PMT 117	Contact Hours/Week: 2hr/week
COURSE SPECIFICATION : Theory/Practical					
GENERAL OBJECTIVE: 2.0 Understand the structure of cells.					
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	EVALUATION
2.1 Define cell theory	-Lecture	-White board/	2.5 Observe some cells under the microscope (e.g. ap lant cell and animal cell)	Guide students	Assignment Quiz Test
2.2 Distinguish between prokaryotic and eukaryotic cells	-Discussion	marker			
2.3 Differentiate between plant and animal cell	-Assignment	-Posters/Charts -Projector -Textbooks/ Journals	2.6 Draw and label the cells observed in 2.3; above.		
2.4 List the functions of the different cell organelles.					

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 117		Contact Hours/Week: 2hr/week
COURSE: General Biology							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 3.0 Understand the principal features of different groups of living things.							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
3.1 Name the four malpr divisions under the plant kingdom: Thallophyta, Bgryophyta, Pteridophyta and Spermatophyta	-Lecture -Discussion -Assignmen	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				Assignment Quiz Test	
3.2 State the characteristic features of each division in 3.1 above							
3.3 List at least 4 differences between Algae and Fungi eg Chloroplast, autotrophic/heterotrophic, starch/glycogen, presence of chitin in fungi, etc.)							
3.4 Give examples of each group in 3.3 above							
3.5 Describe the structures of flowering plant.							
3.6 Name the different phyla under animal kingdom							
3.7 Explain the distinguishing characteristics of each Phylum mentioned 3.6 above							
3.8 Name two common examples of animals belonging to each group.							
3.9 Describe the external structures of a mammal.							

PROGRAMME: National Diploma in Paramedical Technology						
COURSE: General Biology			COURSE CODE: PMT 117		Contact Hours/Week: 2hr/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 4.0 Know the method by which plants and animals feed themselves.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Define food	-Lecture	-White board/				Assignment Quiz Test
4.2 Distinguish between the food of plants and animals.	-Discussion	marker				
4.3 Distinguish between autotrophic and heterotrophic modes of feeding.	-Assignment	-Posters/Charts				
4.4 Explain the different types of heterotrophy eg parasitism, saprophytism.		-Projector				
4.5 Explain the different types of autotrophy, e.g. photosynthesis, chemosynthesis.		-Textbooks/ Journals				
4.6 List the stages involved in feeding in animals (e.g. ingestion, digestion, assimilation and egestion).						
4.7 Draw and label the digestive system in man.						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: General Biology			COURSE CODE: PMT 117		Contact Hours/Week: 2hr/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 5.0 Know the methods by which organisms generate energy from their food						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1 Distinguish between breathing and respiration.	-Lecture	-White board/ marker				-Assignment
5.2 Differentiate between aerobic and anaerobic respiration.	-Discussion -Assignment	-Posters/Charts -Projector -Textbooks/ Journals				-Quiz -Test -Examination
5.1 Locate sites of respiration in cells (e.g mitochondrion and free cytoplasm)						

5.1	Distinguish between breathing and respiration.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
5.2	Differentiate between aerobic and anaerobic respiration.						
5.3	Locate sites of respiration in cells (e.g mitochondrion and free cytoplasm)						
5.4	State the economic importance of fermentation (production of alcoholic beverages, lactic acid, and citric acid)						
5.5	List the respiratory organs in animals (e.g plasma membrane in protozoa, tracheal system in arthropods, gills in fish and lungs in terrestrial animals)						

PROGRAMME: National Diploma in Paramedics Technology						Contact Hours/Week: 2hr/week
COURSE: General Biology			COURSE CODE: PMT 117			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 6.0 Understand the methods by which substances are moved in the bodies of plants and animals						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1 Define (a) osmosis (b) diffusion.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals	5.7 Demonstrate osmosis and diffusion by simple experiments.		Yam, salt	-Assignment -Quiz -Test -Examination
5.2 Explain the importance of transpiration.						
5.3 Explain the importance of translocation.						
5.4 Describe the vascular system of the plant						
5.5 Draw and label the structure of a mammalian heart.						
5.6 Explain the structure and function of blood						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: General Biology			COURSE CODE: PMT 117		Contact Hours/Week: 2hr/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 7.0 Understand how plants and animals remove their waste products.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
7.1 Define excretion.	-Lecture	-White board/				-Assignment
7.2 Name the excretory organs and excretory products in man	-Discussion	marker				-Quiz
7.3 List the structures involved in excretion and the excretory products in plants.	-Assignment	-Posters/Charts				-Test
		-Projector				-Examination
7.4 Explain the processes of osmo-regulation in plants and various types of animals		-Textbooks/ Journals				

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: General Biology			COURSE CODE: PMT 117		Contact Hours/Week: 2hr/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 8.0. Understand how living things move						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
8.1 List the organs of locomotion in animals (e.g pseudopodia; cilia, flagella, chaetae, jointed limbs etc.)	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
8.2 Describe the general plan of the skeleton in mammals						
8.3 State the functions of the skeleton.						
8.4 List the different types of movements in plants (e.g. tropisms, taxis, nastic movements, etc.)						

PROGRAMME: National Diploma in Paramedics Technology					Contact Hours/Week: 2hr/week	
COURSE: General Biology			COURSE CODE: PMT 117			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 9.0 Know how living things increase in size and number						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
9.1 Distinguish between asexual and sexual reproduction.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
9.2 List some examples of asexual reproduction in plants and animals (e.g. binary fission in bacteria, budding in yeast, fragmentation in spirogyra)						
9.3 Describe some sexual reproductive organs in plants and animals, e.g. the flower in plants and male and female reproductive organs in mammals.						
9.4 List the advantages of asexual and sexual reproduction in plants and animals.						
9.5 Note the modern advances in plants cultures and in invitro and in-vivo fertilization (e.g test tube babies and artificial insemination respectively).						
9.6 Describe methods of measuring growth in living things.						

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT 117		Contact Hours/Week: 2hr/week
COURSE: General Biology						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 10.0 Understand the interaction between an organism and its environment						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
10.1 Define the following terms (a) ecology (b) habitat (c) Community.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
10.2 Explain the interaction of living things as shown by predation, parasitism, saprophytism, commensalism.						
10.3 Explain the food relationship in the community (e.g food chain, food web, pyramid of numbers etc.)						
10.4 List 5 useful and 5 harmful microbes.						
10.5 State the causes and control of the following diseases (a) malarial (b) guinea worm (c) bilhazia (d)river blindness.						
10.6 State the common sources of environmental pollution						
10.7 Describe the effects of environmental pollution on living organisms						
10.8 List the control measures of environmental pollution described in 10.6 above						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: General Biology			COURSE CODE: PMT 117		Contact Hours/Week: 2hr/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.1.0 Know Man's interference with his environment.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
11.1 Explain the composition and characteristics of a fertile soil.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
11.2 List the causes of soil erosion						
11.3 Give three methods for prevention of soil erosion.						
11.4 Describe man's activities (farming, mining, deforestation, overgrazing, etc.) that accentuate disasters (e.g. desert encroachment, flooding, etc.)						
11.5 Enumerate different methods by which the deleterious effects can be minimized.						
11.6 Explain, the need for the creation of dams and lakes.						
11.7 List the disadvantage of man-made lakes.						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: General Biology			COURSE CODE: PMT 117		Contact Hours/Week: 2hr/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 12.0 Understand the fundamentals of inheritance						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
12.1 Explain the role of chromosomes and genes found in the nucleus of the cell	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
12.2 Explain the role of gametes in cross fertilization.						

12.3	A Define hybridisation, phenotypes and genotypes					
12.4	Explain the blood groupings.					
12.5	Describe how sex is determined in man					
12.6	Explain sex-linked characters (e.g. haemophilia).					

PROGRAMME: National Diploma in Paramedics Technology

COURSE: General Chemistry

CODE: PMT 118

DURATION: (Hours/week) Lecture: 1hr

UNITS: 1 CU

Tutorial -

Practical: -1hr

Total: 2hr (30hrs)

GOAL: This course is designed to introduce students to general principles of Chemistry

GENERAL OBJECTIVES: On completion of this course, the students will be able to

- 1.0 Understand atoms, molecules, composition and structure
- 2.0 Understand the arrangement of elements in the periodic table
- 3.0 Understand chemical thermodynamics
- 4.0 Understand the properties and reactions of acids, bases and salts
- 5.0 Understand the fundamental concept of oxidation and reduction reactions
- 6.0 Understand surface phenomena and colloidal systems
- 7.0 Understand chemical equilibrium

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT 118		Contact Hours/Week: 1hr/week
COURSE: General Chemistry						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.0 Understand atoms molecules, composition and structure						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define atom and molecule	Lectures	Blackboard				-Assignment
1.2 List basic components of an atom (electron, proton, neutron)		Chalk				-Quiz
1.3 Explain arrangement of electrons in an atom		Molecular models				-Test
1.4 Define the following: (i) Atomic number, (ii) Mass number, (iii) Atomic mass, Based on ^{12}C						-Examination
1.5 Explain valency and chemical bonding						-Practical
1.6 Explain the octet and duplet Rules						
1.7 Distinguish between the following types of bonds: ionic; covalent; metallic, co-ordination						
1.8 Understand energy considerations in ionic bonding and lattice energy						
1.9 Understand the formation of covalent bonds, bond length and bond energy, electronegativity and bond polarity						
1.10 Explain Van der Waal's Forces						

PROGRAMME: National Diploma in Paramedical Technology					COURSE CODE: PMT 118		Contact Hours/Week: 1hr/week
COURSE: General Chemistry							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 2.0 Understand the arrangement of elements in the periodic table							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
2.1 Discuss the development of the periodic table			2.12 Investigate the reactivity of group 2 metals (i) Mg, Ca, Sr, and Ba with water (ii) Mg and Ca with dilute HCl 2.13 Reactivity of transition metals - The Copper Envelope	Guide students	Mg, Ca, Sr, Ba, water, dilute hydrochloric acid test tubes etc Copper foil, tongs, Bunsen	-Assignment -Quiz -Test -Examination -Practical	
2.2 Describe building up periods I and II							
2.3 Describe building up period III							
2.4 Describe electron configurations within groups							
2.5 Describe the first d-orbital transition series; building up 5 period IV							
2.6 Discuss the non-metallic elements							
2.7 Discuss the Noble Gases							
2.8 Write down electronic configuration for the first twenty elements of the periodic table.							
2.9 Relate electron configuration to the position in the periodic table.							
2.10 Describe trends in the Periodic Table such as atomic size, ionisation energy, electron affinity, reactivity.							
2.11 Describe diagonal Relationships							

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT 118		Contact Hours/Week: 1hr/week
COURSE: General Chemistry						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 3.0 Understand chemical thermodynamics						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Describe thermodynamic systems e.g. open system, closed system, isolated system.	Lecture	Classroom resources	3.5 Measure heat of reaction by simple experiments e.g. heat of neutralization NaOH, HCl of an acid and strong base.	Supervises and guides students in the laboratory	Chemicals calorimeter Glassware etc.	-Assignment -Quiz -Test -Examination -Practical
3.2 Explain thermodynamic functions enthalpy, entropy, free energy.						
3.3 Explain the first and second laws of thermodynamics and their significance.						
3.4 Explain thermo chemistry as heat effects that accompany chemical reactions						

PROGRAMME: National Diploma in Paramedical Technology					COURSE CODE: PMT 118		Contact Hours/Week: 1hr/week
COURSE: General Chemistry							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 4.0 Understand the properties and reactions of acid, bases and salts.							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
4.1 Define an acid and a base according to Arrhenius, Brønsted- Lowry and Lewis concepts.	Teach students to identify them in equations	Classroom resources	4.1.4 Carry out acid base titration by using conductance meter	Supervises and guides students in the laboratory	Chemicals	-Assignment	
4.2 Identify acids and bases in chemistry equations.			4.1.5 Identify indicators and use indicators in acid base titration.		Conductance meters	-Quiz	
4.3 Explain the meaning of the terms conjugate acid and conjugate base			4.1.6 Identify various types of indicators and the use in the measurement of pH.		colours pH meters	-Test	
4.4 Distinguish between a strong and weak acid or base.			4.1.7 Measure the pH of solutions by using colour charts, indicators and pH meter		colour charts	-Examination	
4.5 Explain Ostwald's Dilution law and dissociation constant, K.			4.1.8 Determine experimentally the strengths of acids and bases in relation to structure e.g. in the series CH ₃ COOH, HCL, NH ₄ , OH, NaOH		indicators burettes	-Practical	
4.6 State the value of the ionic product of water.			4.1.9 Measure pKa of a weak acid via titration		glassware		
4.7 Explain the concept of hydrogen ion concentration and pH			4.2.0 Titrate a weak acid by using a strong base		test tubes chemicals and burette		
4.8 Calculate the pH value of an acid or base given the hydrogen ion concentration			4.2.1 Plot the results and observe the region of buffering and the end point.		for back titrations		
4.9 Define the terms, pka and pkb							
4.10 State the Henderson Hasselbach equation							
4.11 Define the terms, buffer solution and buffer capacity							
4.12 Explain the effectiveness of a buffer solution.							
4.13 Describe buffers in Medicine (e.g. blood, and biochemical experiments)							

PROGRAMME: National Diploma in Paramedical Technology**COURSE: General Principles of Chemistry****COURSE CODE: PMT 118****Contact Hours/Week: 1hr/week****COURSE SPECIFICATION : Theory/Practical****GENERAL OBJECTIVE: 5.0 Understand the fundamental concept of oxidation and reduction reactions**

SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1 Explain (a) Oxidation reaction (b) Reduction reaction	Lecture	Classroom resources	Carry out redox titration's by using potassium permanganate	Supervises and guides students in the laboratory	Titration apparatus and chemicals	-Assignment -Quiz -Test -Examination -Practical
5.2 Explain the oxidation and reduction reactions in terms of electron transfer						
5.3 List some oxidizing and reducing agents.						
5.4 State the periodicity of oxidation state of the elements.						
5.5 State half ionic equation involving in oxidation reaction.						
5.6 State half ionic equation to illustrate reduction.						
5.7 Balance simple redox equation's						

PROGRAMME: National Diploma in Paramedics Technology						Contact Hours/Week: 1hr/week
COURSE: General Chemistry			COURSE CODE: PMT 118			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 6.0 Understand surface phenomena and colloidal systems						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
6.1 Surface Phenomena and Colloidal Systems.	Lecture	Classroom resources	Chromatography of leaves	Supervises and guides students in the laboratory	finely cut leaves, chromatography paper, propanone, beaker, lid, glass rod or pencil	-Assignment -Quiz -Test -Examination -Practical
6.2 Explain the following surface Phenomena (a) colloidal gels (b) surface tension (c) absorption (d) emulsion (e) gels (f) flotation (g) chromatography			Purify hard water using ion-exchange chromatography			
6.3 Differentiate between adsorption and absorption						
6.4 Define Ion-Exchange					Ion-exchange chromatography	
6.5 Distinguish between cation and anion exchange processes.						
6.6 Describe the applications of ion-exchange.						

PROGRAMME: National Diploma in Paramedical Technology				COURSE CODE: PMT 118		Contact Hours/Week: 1hr/week
COURSE: General Chemistry						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 7.0 Understand chemical equilibrium						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
7.1 Explain chemical equilibrium	Lecture	Classroom resources	7.7 Investigation of the effect of concentration changes on chemical equilibria	Supervises and guides students in the laboratory	test tubes, gloves, potassium chromate, sulphuric acid, NaOH, potassium or ammonium thiocyanate, iron III chloride	Coursework Assignments Practical Examination
7.2 State the factors affecting chemical equilibrium						
7.3 Explain reversible reaction in relation to chemical equilibrium						
7.4 Explain Le Chatellier's Principle						
7.5 Define equilibrium constant						
7.6 Explain the law of mass action						

PROGRAMME: National Diploma in Paramedical Technology			
COURSE: General Physics			
CODE: PMT 119			
DURATION: (Hours/week) Lecture: 1hr		Tutorial -	Practical: -1hr
UNITS: 2 CU		Total: 2hr (30hrs)	
GOAL: This course is designed to enable students to enrich their knowledge of Physics			
General Objectives: On completion of this course the diplomate should be able to:			
1.0	Know units and dimensions.		
2.0	Understand the difference between vectors and scalars.		
3.0	Know what is meant by rectilinear motion.		
4.0	Understand the meaning of work, energy and power.		
5.0	Understand friction as it occurs both in liquids' solids.		
6.0	Understand the concept of elasticity.		
7.0	Understand the general concept of static electricity.		
8.0	Understand the nature of current electricity.		
9.0	Understand the concept of heat and temperature.		
10.0	Understand reflection and refraction		
11.0	Understand waves propagation.		

PROGRAMME: National Diploma in Paramedics Technology					
COURSE: General Physics			COURSE CODE: PMT 119		Contact Hours/Week: 2hr/week
COURSE SPECIFICATION : Theory/Practical					
GENERAL OBJECTIVE: 1.0 Know units and dimension					
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES
1.1 Differentiate between fundamental and derived units 1.2 Give examples of both derived and fundamental units. 1.3 Check the correctness of equations like $V= U + at$ using dimensions.	Lecture	Classroom resources			Coursework Assignments Practical Examination

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: General Physics			COURSE CODE: PMT 119		Contact Hours/Week: 2hr/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 2.0 Understand the difference between vectors and scalars.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Define vectors and scalars. 2.2 Give examples of both scalars and vectors. 2.3 Solve simple problems involving scalars and vectors.	Lecture	Classroom resources				Coursework Assignments Practical Examination

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT 119		Contact Hours/Week: 2hr/week
COURSE: General Physics						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 3.0 Know what is meant by rectilinear motion.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Differentiate between velocity and speed.	Lecture	Classroom resources	3.7 Perform (carry out) experiments to illustrate circular motion, rotational motion, S.H.M.			Coursework Assignments Practical Examination
3.2 Derive the equations of uniform motion in a straight line by graphical method.			3.8 Perform experiments in the measurement of mass using beam balances, replace length using vernier callipers and meter-rule; time, using stop watch, simple pendulum.			
3.3 Solve problems using equations derived in 3.2 above.			3.9 Perform simple experiments to illustrate the principles of operation of levers, inclined plane, pulley			
3.4 State Motion.						
3.5 Define force, mass and weight. Solve simple problems on motions.						
3.6 Explain the differences between mass and weight.						

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT 119		Contact Hours/Week: 2hr/week
COURSE: General Physics						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 4.0 Understand the meaning of work, energy and power.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Define work, energy and power. 4.2 List types of energy 4.3 Explain the conservation of kinetic energy and potential energy 4.4 Solve simple problems on work, energy and power, Friction	Lecture	Classroom resources	4.5 Perform simple experiments to illustrate conversion of energy from one form to another e.g. solar to electrical (solar cells) chemical to electrical (car battery) electrical to heat (heating coils) electrical to light (touch light bulb) nuclear to electrical (hydroelectric plant) (mechanical to heat (friction) 4.6 Demonstrate experimentally the effects of heat energy e.g. as in ball and ring experiment; melting of ice and boiling of water to form steam.			Coursework Assignments Practical Examination

PROGRAMME: National Diploma in Paramedical Technology						
COURSE: General Physics			COURSE CODE: PMT 119		Contact Hours/Week: 2hrs/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 5.0 Understand friction as it occurs both in liquids and solids.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1 Explain friction.	Lecture	Classroom resources				Coursework Assignments Practical Examination
5.2 Give examples of types of friction.						
5.3 Differentiate between static and dynamic friction						

PROGRAMME: National Diploma in Paramedicals Technology						
COURSE: General Physics			COURSE CODE: PMT 119		Contact Hours/Week: 2hr/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 6.0 Understand the concept of elasticity.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
6.1 Define elasticity, stress, strain and elastic limit.	Lecture	Classroom resources				Coursework Assignments Practical Examination
6.2 State the relationship between load and extension.						
6.3 Estimate elastic energy from work done on elasticity body.						

PROGRAMME: National Diploma in Paramedics Technology						Contact Hours/Week: 2hr/week
COURSE: General Physics			COURSE CODE: PMT 119			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 7.0 Understand the general concept of static electricity.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
7.1 Explain the structure of atom.	Lecture	Classroom resources				Coursework Assignments
7.2 Explain the processes of						
7.3 Use the gold leaf electroscope to determine the nature of charges on different bodies.						
7.4 Explain the working principles of Van de Graef generator.						
7.5 Describe how magnets are made.						
7.6 Identify the properties of magnets.						

PROGRAMME: National Diploma in Paramedics Technology						Contact Hours/Week: 2hr/week
COURSE: General Physics						COURSE CODE: PMT 119
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 8.0 Understand the nature of current electricity.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
8.1 Define electric current, stating its unit. 8.2 State Ohm's Law. 8.3 Draw the series and parallel arrangement of resistors and given equation for the resultant resistance in each case. 8.4 Solve simple problems involving series and parallel circuit 8.5 Define electrical energy and power. 8.6 Solve problems involving electrical energy. 8.7 Differentiate between primary and secondary cells. 8.8 Explain principles of operation of simple electrical measuring instruments, e.g. voltmeter, ammeter etc. 8.9 State laws of electromagnetic induction.	Lecture	Classroom resources				Coursework Assignments Practical Examination

PROGRAMME: National Diploma in Paramedics Technology

COURSE: General Physics

COURSE CODE: PMT 119

Contact Hours/Week: 2hrs/week

COURSE SPECIFICATION : Theory/Practical

GENERAL OBJECTIVE: 9.0 Understand the concept of heat and temperature.

SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
9.1 Define temperature in relation to heat energy.	Lecture	Classroom resources	9.11 Determine experimentally			Coursework
9.2 Identify the properties of thermometric liquids.			- heat capacity			Assignments
9.3 Explain what is meant by temperature scales i.e. Kelvin and Celsius.			specific heat capacity			Practical
9.4 List the various types of thermometers.			- latent heat of vapourisation of solids.			Examination
9.5 Explain their working principles.						
9.6 Give examples of their various applications.						
9.7 State the effect of heat on liquids and solids.						
9.8 Explain some applications of expansion.						
9.9 Define expansively and solve simple problems using the related equation.						
9.10 Define heat capacity, specific heat capacity and specific latent heats.						
9.11 Solve problems involving 9.11 above.						
9.12 Explain the modes of heat transfer, conduction, convection and radiation						

PROGRAMME: National Diploma in Paramedical Technology						
COURSE: General Physics			COURSE CODE: PMT 119		Contact Hours/Week: 2hrs/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 10.0 Understand reflection and refraction						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
10.1 Understand reflection and refraction.	Lecture	Classroom resources	3.1 Perform simple experiments on reflection and refraction.			Coursework Assignments Practical Examination
10.2 Explain how reflection and refraction take place at plane and curved surfaces.						
10.3 State the laws of refraction and reflection.						
10.4 Explain apparent depth and total internal reflection.						
10.5 Explain the formation of images by mirrors and lenses.						

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 119		Contact Hours/Week: 2hr/week
COURSE: General Physics							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 11.0 Understand waves propagation.							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
11.1 Define wave propagation. 11.2 List the various types of waves 11.3 Define displacement, amplitude frequency, period wavelength, velocity and phase of a wave. 11.4 Solve simple problems	Lecture	Classroom resources	11.5 Illustrate experimentally the concept of waves using examples such as: ripples on water, waves on string, helical string			Coursework Assignments Practical Examination	

PROGRAMME: National Diploma in Paramedical Technology			
COURSE: Introduction to Computers			
CODE: COM 101		Practical: -1hr	Total: 2hrs (30hrs)
DURATION: (Hours/week) Lecture: 1hr	Tutorial -		
UNITS: 2 CU			
GOAL: This course is designed to enable students to acquire a basic knowledge of computers			
General Objectives: On completion of this course the diplomate should be able to:			
1.0 Understand the history, classification and impact of computers.			
2.0 Know the concept of computer hardware			
3.0 Know the concept of computer software.			
4.0 Understand computer data processing systems.			
5.0 Know the procedures for computer and data preparation method.			
6.0 Understand security and safety procedures within a computer environment.			
7.0 Understand the concept of a computer network			
8.0 Understand the use of the internet.			

PROGRAMME: National Diploma in Paramedics Technology			COURSE CODE: COM101		Contact Hours/Week: 2hr/week	
COURSE: Introduction to Computers						
COURSE SPECIFICATION : Theory/Practical						
General Objective: 1.0 Understand the history, classification and impact of computers.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define the computer	• Define computer • Trace the history of computer. • Classify the computer according to generations • Distinguish between types and classes of computers. • Highlight the implications of computers to the society. • Outline the benefit of computer to the society.	-White Board. -PC loaded with Power point and connected to OHP	1.7 Be able to classify computer systems.	Guide students to classify computer systems	Networked PCs loaded with software packages.	Coursework Assignments Examination
1.2 Describe the development of computers, in particular abacas, Pascal, Babbage, Hollerith and ENIAC.						
1.3 Classify computers according to generations from 1st - 5th generation (any subsequent generation)						
1.4 Distinguish between analogue, digital, and hybrid computers						
1.5 Explains the social implication of computers on society in particular privacies and quality of life.						
1.6 List the benefits of computers to the society.						

PROGRAMME: National Diploma in Paramedical Technology						
COURSE: Introduction to Computers			COURSE CODE: COM101		Contact Hours/Week: 2hrs/week	
COURSE SPECIFICATION : Theory/Practical						
General Objective : 2.0 Know the concept of computer hardware						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Describe computer hardware configuration.	• Discuss the meaning of hardware. • Discuss the various components and functions of various hardware units. • Discuss computer software programming languages and differentiate between the levels. • Discuss the various components and functions of various hardware units. • Discuss computer software programming languages and differentiate between the levels.	-White Board. -PC loaded with Power point and connected to OHP	2.8 Be able to identify the various components of a computer system	Guide the students on how to identify the various components of a computer system	A DEMO PC showing its components	Coursework Assignments Examination
2.2 List some input and output units						
2.3 Describe the function of the out unit.						
2.4 Describe the function of C.P.U.						
2.5 List some auxiliary Units.						
2.6 Describe the function of the uxiliary memory						
2.7 Define bits, byte, nibble, and word and storage size.						

PROGRAMME: National Diploma in Paramedics Technology

PROGRAMME: National Diploma in Paramedical Technology			COURSE CODE: COM101			Contact Hours/Week: 2hrs/week		
COURSE: Introduction to Computers			COURSE SPECIFICATION : Theory/Practical			General Objective : 3.0 Know the concept of computer software		
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION		
3.1 Explain software and its various types	• Discuss software and its various types.	White Board.	2.1 Be able to load computer packages on various computers	Demonstrate how to load computer system packages on different computer	Networked PCs loaded with different computer Packages	Coursework Assignments Examination		
3.2 Distinguish between the low level and high level languages.	• Explain computer packages and its various types.	PC loaded with Power point and connected to OHP						
3.3 Explain source and object programmes.								
3.4 Define a translator.								
3.5 Explain types of translators: assembler, compiler, and interpreter.								
3.6 Explain the use of package programs.								
3.7 Discuss software and its various types.								
3.8 Explain computer packages and its various types.								

PROGRAMME: National Diploma in Paramedical Technology			COURSE CODE: COM101			Contact Hours/Week: 2hrs/week		
COURSE: Introduction to Computers			COURSE SPECIFICATION : Theory/Practical			General Objective : 4.0 Understand computer data processing systems		
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION		
4.1 Explain different processing modes.	• Explain offline and online Concepts	White Board.	2.1 Be able to recognize life problems requiring the application of the various modes	Guide the students on how to identify real life problems requiring the various data processing techniques	Networked PCs loaded with different computer Packages	Coursework Assignments Examination		
4.2 Differentiate between batch processing, real time processing, time sharing and distributed processing system.	• Define batch processing, real time, time sharing and distributed processing	PC loaded with Power point and connected to OHP						

PROGRAMME: National Diploma in Paramedics Technology

COURSE: Introduction to Computers			COURSE CODE: COM101		Contact Hours/Week: 2hrs/week	
COURSE SPECIFICATION : Theory/Practical						
General Objective : 4.0 Understand computer data processing systems						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Explain different processing modes.	• Explain offline and online Concepts • Define batch processing, real time, time sharing and distributed processing	White Board. PC loaded with Power point and connected to OHP	2.1 Be able to recognize life problems requiring the application of the various modes	Guide the students on how to identify real life problems requiring the various data processing techniques	Networked PCs loaded with different computer Packages	Coursework Assignments Examination
4.2 Differentiate between batch processing, real time processing, time sharing and distributed processing system.						

PROGRAMME: National Diploma in Paramedics Technology			COURSE CODE: COM101		Contact Hours/Week: 2hrs/week		
COURSE: Introduction to Computers							
COURSE SPECIFICATION : Theory/Practical							
General Objective : 5.0 Know the procedures for computer and data preparation method.							
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1	Be able to explain how to operate a computer system	Discuss the principles and procedures of operating the computer system, the fix up, start up and shut-down systems	White Board. PC loaded with Power point and connected to OHP Diskettes	2.1 Be able to boot and shut down computer system format diskettes	Guide the students on how to operate the computer. Show different storage media to students	Networked PCs and storage media such as diskette.	
5.2	Understand the initialization and formatting of storage media.	Discuss initialization and formatting of storage devices such as disks and diskettes					

PROGRAMME: National Diploma in Paramedical Technology				Contact Hours/Week: 1hr/week		
COURSE: Introduction to Computers		COURSE CODE: COM101				
COURSE SPECIFICATION : Theory/Practical						
General Objective : 6.0 Understand security and safety procedures within a computer environment.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
6.1 Understand data control techniques, operating procedure of a computer installation, safety regulation in computer installation, method of preventing hazards such as fire, flooding and sabotage	Explain data control techniques. Describe standard operating procedures of a computer installation. Explain the need for computer room security. Explain computer system auditing Explain methods of preventing hazards fire, Describe file security methods in computer installations. Explain the need for file security in computer installation. Explain the user passwords and user name.	White Board PC loaded with relevant software packages and connected to OHP White Board PC loaded with relevant software packages and connected to OHP	Be able to formulate passwords.	Guide students on how to formulate simple password that they could easily remember	Networked PCs and storage media such as diskette.	
6.2 Understand security methods in computer installation and the need for users passwords						

PROGRAMME: National Diploma in Paramedics Technology				Contact Hours/Week: 1hr/week	
COURSE: Introduction to Computers				COURSE CODE: COM101	
COURSE SPECIFICATION : Theory/Practical					
General Objective: 7.0 Understand the concept of a computer network					
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	EVALUATION
7.1 Define and explain network,	Define computer network.	White Board	Be able to identify various computer topologies	Guide the students on how to identify various network topologies.	Coursework Assignments Examination
7.2 Describe different types of network organization such as star, ring and bus.	Explain different types of network organization such as star, ring, bus etc.	PC loaded with power point and connected to OHP	Find out different organizations using the different topologies. Be able to identify various computer topologies		
7.3 Explain LAN and WAN.	Describe different types of network: LAN, WAN	White Board PC loaded with power point and connected to OHP	Find out different organizations using the different topologies.	Guide the students on how to identify various network topologies.	Networked PCs and storage media such as diskette.

PROGRAMME: National Diploma in Paramedics Technology			Contact Hours/Week: 2hrs/week			
COURSE: Introduction to Computers			COURSE CODE: COM101			
COURSE SPECIFICATION : Theory/Practical						
General Objective: 8.0 Understand the use of the internet						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
8.1 Define internet and describe its resources	• Define internet • Describe resources of internet • Explain the processes involved in browsing and searching the internet. • Explain the meaning of ISP. • Explain the concept of e-mail address. • Describe the processes of acquiring an e-mail address. • Describe the process of sending and receiving an e-mail.	White Board. PC loaded with power point and internet browser and connected to OHP	8.4 Be able to Search for materials on the internet. 8.5 Compose and send E-mail.	• Guide students on how to search for materials on the internet • Demonstrate how to compose and send E-mail.	Networked PCs connected to the internet.	Coursework Assignments Examination
8.2 Explain the processes involved in searching the internet for materials.						
8.3 Explain the concept of E-mail						

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Communication in English			
CODE: GNS 102			
DURATION: (Hours/week) Lecture: 2hr		Tutorial -	Practical: -
UNITS: 2 CU		Total: 2hrs (30hrs)	
GOAL: This course is designed to enable students to acquire necessary communication skills, know the techniques of correspondence and comprehend written material			
General Objectives: On completion of this course the diplomate should be able to:			
1.0	Understand the concept of communication		
2.0	Know how to make oral presentations		
3.0	Know essential elements of correspondence		
4.0	Know the rule of comprehension and interpretation		

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: GNS 102		Contact Hours/Week: 2hr/week	
COURSE: Communication in English								
COURSE SPECIFICATION : Theory/Practical								
GENERAL OBJECTIVE: 1.0 Understand the concept of communication								
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
1.1 Define Communication	Teachers are expected to involve the students in Communication Skills, and Speed intonation.		Chalk boards Textbooks, Samples of Formal and informal letters.				Coursework Assignments Examination	
1.2 Analyse the process of Communication								
1.3 Analyse the purposes of Communication								
1.4 Explain the relationship between communication and language.								
1.5 Explain the impact of interference on communication at various levels e.g. Phonological, syntactic, e.t.c.								
1.6 Explain code-mixing, code-switching and dissonance in communication.								

PROGRAMME: National Diploma in Paramedics Technology**COURSE: Communication in English****COURSE CODE: GNS 102****Contact Hours/Week: 2hr/week****COURSE SPECIFICATION : Theory/Practical****GENERAL OBJECTIVE: 2.0 Know how to make oral presentations**

SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1	Label a diagram of the organs of speech	Lecture	Chalk boards Textbooks Samples of Formal and informal letters.				Coursework Assignments Examination
2.2	Describe the functions of the organs in above in speech production.						
2.3	List the phonemes of English						
2.4	Produce correctly each of the phonemes listed in 2.3 above.						
2.5	Pronounce correctly by making distinctions between the different sound contrasts in the consonantal and vowel systems of English.						
2.6	Explain the principles of effective speaking, viz, correct use of stress, rhythm, and information patterns.						
2.7	Read fluently.						

PROGRAMME: National Diploma in Paramedics Technology						COURSE CODE: GNS 102		Contact Hours/Week: 2hr/week
COURSE: Communication in English								
COURSE SPECIFICATION : Theory/Practical								
GENERAL OBJECTIVE: 3.0 Know essential elements of correspondence								
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION		
3.1 List the various types of correspondence, e.g. letter, memo, circular	Give students assignments on various types of correspondence.	Chalk boards; Text-books, Samples of Formal and informal letters.				Coursework Assignments Examination		
3.2 Explain the various parts of a letter.								
3.3 Differentiate between formal and informal letter format.								
3.4 Explain the characteristics of styles suitable for formal and informal letters.								
3.5 Explain the functions of the first, middle and last paragraphs.								
3.6 Write a formal and informal letter.								

PROGRAMME: National Diploma in Paramedical Technology				COURSE CODE: GNS 102		Contact Hours/Week: 2hr/week
COURSE: COMMUNICATION SKILL I						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 4.0 Know the rule of comprehension and interpretation						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Identify main ideas in a given passage.	Teachers should give necessary aids that will assist the comprehension of passage.	Chalk board; Text-books, Samples of Formal and informal letters.				Coursework Assignments Examination
4.2 Differentiate the main ideas from the details in a passage.						
4.3 Use the main idea to anticipate specific details in a passage						
4.4 Use context clues to aid comprehension.						
4.5 Identify relationship patterns of ideas in a passage.						
4.6 Use context clues such as definitions, restatements and examples to derive meanings.						
4.7 Interpret figurative language in a passage.						
4.8 Draw conclusions from available information.						

PROGRAMME: National Diploma in Paramedical Technology			
COURSE: Citizenship Education I			
CODE: GNS 111			
DURATION: (Hours/week) Lecture: 2hr		Tutorial -	Practical: -
UNITS: 2 CU			
GOAL: This course is designed to expose the student to the basic concepts, principles and provisions of the Nigerian Constitution			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Understand the Constitution of Nigeria.			
2.5 Understand the federal system of government in Nigeria			
3.0 Know the constitutional rights and obligations of Nigerian citizens.			
4.0 Understand citizenship.			
5.0 Know the fundamental objectives and directive principles of state policy of Nigeria.			

PROGRAMME: National Diploma in Paramedical Technology				COURSE CODE: GNS111		Contact Hours/Week: 2hr/week
COURSE: Citizenship Education I						
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 1.0 Understand the Constitution of Nigeria						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Explain the term constitution.	Ask the students: • what their understand by the term constitution	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
1.2 Distinguish the different types of constitutions						
1.3 Highlight some provisions of an international constitution	to distinguish the different rules of constitution known					
1.4 Assess the effectiveness of international constitutions.	to explain the effectiveness of International Constitution					
1.5 Recognise the supremacy of the Nigerian constitution to other laws with emphasis on the 1999 constitution.	to explain Nigerian Constitution to other laws, to identify the main parts of the Nigerian Constitution					
1.6 Evaluate the main parts of the Nigerian constitution.	Assess to the students by given the assignment to draft a constitution for an association					
1.7 Draft a constitution for an association.						
1.8 Trace the historical development of the Nigerian constitution.						
1.9 Discuss the merits and demerits of each of the Nigerian constitutions.						
1.10 Explain the concept of rule of Law						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Citizenship Education I			COURSE CODE: GNS111		Contact Hours/Week: 2hrs/week	
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 2.0 Understand the federal system of government in Nigeria						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Describe a Federation.	Ask the students:	-White board/ marker				-Assignment
2.2 Distinguish a federation from a confederation.	to describe a federation and to differentiate between a federation and a confederation	-Posters/Charts -Projector				-Quiz
2.3 Outline the basis for the federal system in Nigeria.		-Textbooks/ Journals				-Test
2.4 Examine the evolution, structure and functions of the federal system in Nigeria.	to define the functions of the federal system in Nigeria and the relationship among the three tiers of government					-Examination
2.5 Analyse the relationships among the three tiers of government in Nigeria.	to evaluate the revenue allocation formula operation in Nigeria					
2.6 Evaluate the revenue allocation formula in operation in Nigeria.						
2.7 Compare and contrast other Federations with Nigeria.						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Citizenship Education I			COURSE CODE: GNS111		Contact Hours/Week: 2hr/week	
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 3.0 Know the constitutional rights and obligations of Nigerian citizens.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Examine the significance of rights and obligations in Nigeria.	• Ask the students to identify the responsibilities and duties of Nigerian citizenship	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
3.2 Assess government's protection of fundamental rights as contained in the Nigeria Constitution.						
3.3 Evaluate the responsibilities and duties of Nigerian citizens and the benefits for performing them						
3.4 Assess the responsibilities and duties of constituted authority to the people.						
3.5 Evaluate the responsibilities and duties of government to the people.						

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: GNS111		Contact Hours/Week: 2hr/week
COURSE: Citizenship Education I							
COURSE SPECIFICATION : Theory							
GENERAL OBJECTIVE: 4.0 Understand citizenship.							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
4.1 Discuss the significance of citizenship.	Ask the students:	-White board/ marker				-Assignment -Quiz -Test -Examination	
4.2 Analyse the principles and benefits of citizenship.	to discuss and analyse the principles and benefits of citizenship	-Posters/Charts -Projector -Textbooks/ Journals					
4.3 Explain the differences in the modes of acquiring citizenship.	to analyse the basis for the acquisition and withdrawal of Nigerian citizenship						
4.1 Evaluate the merits and demerits of each type of citizenship.							
4.2 Analyse the basis for the acquisition and withdrawal of Nigerian citizenship.							
4.3 Examine the benefits derivable from Nigerian citizenship.							

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Citizenship Education I			COURSE CODE: GNS111		Contact Hours/Week: 2hr/week	
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 5.0 Know the fundamental objectives and directive principles of state policy of Nigeria.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1 State the fundamental obligations of government as provided in the constitution	* Ask the students to explain the directive principles and policy of the Nigerian Government on cultures, the mass media, national ethnics and duties of the citizen	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
5.2 Explain the general provisions of the fundamental objectives and directive principles of state policy.						
5.1 Explain the political, economic, social and educational policies of Nigeria.						
5.2 Explain the directive principles and policy of the Nigerian government on culture, the mass media, national ethnics and duties of the citizen.						
5.3 Assess the conformity, observance and application of the fundamental objectives and directive principles of state policy by governments and people of Nigeria.						
5.4 Recommend improvements on the provisions, conformity, observance and application of the fundamental objectives and directive principles of state policy						

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Basic Life Support			
CODE: PMT 121			
DURATION: (Hours/week)	Lecture: 2hr	Tutorial :	Practical: 4hrs
UNITS: 6 CU			Total: 6hr (90hrs)
GOAL: This course is designed to enable the students acquire the skills needed for cardiopulmonary resuscitation			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0	Understand concepts of basic life support		
2.0	Know the techniques for effective cardiopulmonary resuscitation in adults		
3.0	Know the techniques for effective cardiopulmonary resuscitation in children		
4.0	Understand the techniques for relief of upper airway obstruction		

PROGRAMME: National Diploma in Paramedics Technology				
COURSE: Basic Life Support			COURSE CODE: PMT 121	Contact Hours/Week: 6hrs/week
COURSE SPECIFICATION : Theory/Practical				
GENERAL OBJECTIVE: 1.0 Understand concepts of basic life support				
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES
1.1 Define basic life support	-Lecture	-White board/ marker		
1.2 Outline general principles of basic life support	-Discussion	-Posters/Charts		
1.3 State the rationale for basic life support in medical emergencies	-Assignment	-Projector -Textbooks/ Journals		
				EVALUATION
				-Assignment -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology					Contact Hours/Week: 6hrs/week	
COURSE: Basic Life Support					COURSE CODE: PMT 121	
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 2.0 Know the techniques for effective cardiopulmonary resuscitation in adults						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Outline the components of cardiopulmonary resuscitation	-Lecture -Discussion -Assignment	White board/ marker -Posters/Charts -Projector -Textbooks/ Journals -Flip charts	2.4 Carry out chest compression for adults	-Assist students in the activities in 2.4 – 2.7	-Mannequin -AED -Ambu bags -Airway barriers -simulation laboratory	Assignment Quiz Test
2.2 Describe each component outlined in 2.1 above			2.5 Apply correct techniques for opening airway			
2.3 Describe automated external defibrillator (AED)			2.6 Apply correct techniques to achieve adequate breathing			
			-mouth to mouth -mouth to device -mouth to mask -bag valve mask			
			2.7 Demonstrate the use of AED			

PROGRAMME: National Diploma in Paramedics Technology					Contact Hours/Week: 6hrs/week	
COURSE: Basic Life Support					COURSE CODE: PMT 121	
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 3.0 Know the techniques for effective cardiopulmonary resuscitation in children						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Outline the components of cardiopulmonary resuscitation in children	-Lecture -Discussion -Assignment	White board/ marker -Posters/Charts -Projector -Textbooks/ Journals -Flip charts	3.4 Carry out chest compression for children	-Assist students in the activities in 2.4 – 2.7	-Children Mannequin -AED -Children AMBU bags -Airway barriers -simulation laboratory	Assignment Quiz Test
3.2 Describe each component outlined in 2.1 above			3.5 Apply correct techniques for opening airway			
3.3 Describe automated external defibrillator (AED)			3.6 Apply correct techniques to achieve adequate breathing in children			
			-mouth to mouth -mouth to device -mouth to mask -bag valve mask			
			3.7 Demonstrate the use of AED			

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 121		Contact Hours/Week: 6hrs/week
COURSE: Basic Life Support							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 4.0 Understand the techniques for relief of upper airway obstruction							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
4.1 Define upper airway obstruction	Lecture		4.4 Carry out the techniques for relief of upper airway obstruction as listed in 4.2	Demonstrate the techniques for relief of upper airway obstruction as listed in 4.2	-Mannequin (children) -simulation laboratory	Assignment Quiz Test	
4.2 List the techniques for relief of upper airway obstruction	-Discussion -Assignment						
-Heimlich Maneuver - Modified Heimlich Maneuver							
-Back slap for infant							
4.3 Describe the techniques listed in 4.2 above							

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Integrated Anatomy and Physiology			
CODE: PMT 122			
DURATION: (Hours/week)	Lecture: 2hr	Tutorial -	Practical: 2hr
Total: 4hrs (60hrs)			
UNITS: 3 CU			
GOAL: This course is designed to enable students understand the anatomy and physiology of the major body systems			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0	Understand the integrated Anatomy and Physiology of the respiratory system		
2.0	Understand the integrated Anatomy and Physiology of the cardiovascular system		
3.0	Understand the integrated Anatomy and Physiology of the nervous system		
4.0	Understand the integrated Anatomy and Physiology of the gastro-intestinal system		
5.0	Understand the integrated Anatomy and Physiology of the genitourinary system		
6.0	Understand the integrated Anatomy and Physiology of the skin and endocrine system		

PROGRAMME: National Diploma in Paramedics Technology					Contact Hours/Week: 4hrs/week	
COURSE: Integrated Anatomy and Physiology			COURSE CODE: PMT122			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.0 Understand the integrated Anatomy and Physiology of the respiratory system						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 List various organs of the respiratory system (nose, pharynx, epiglottis, larynx, trachea, bronchi, lungs, diaphragm)	Lectures Discussions Assignment	Charts/ Posters - Projectors	1.8 Draw/ Label the organs listed in 1.1	Assist students to draw/ label different organs	Anatomical models	-Assignment -Quiz -Test -Examination
1.2 Describe the Anatomy of the organs listed in 1.1 above						
1.3 Explain the functions of the organ listed above						
1.4 Describe the following: -expiration -inhalation -inspiration -air exchange (alveola/capillary, capillary/cellular)						
1.5 Explain the mechanism of respiration						
1.6 Outline the adequate breathing in terms of rate, rhythm, breath sound and chest expansion						
1.7 Outline signs of respiratory distress						

PROGRAMME: National Diploma in Paramedics Technology					Contact Hours/Week: 4hrs/week	
COURSE: Integrated Anatomy and Physiology					COURSE CODE: PMT122	
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 2.0 Understand the integrated Anatomy and Physiology of the cardiovascular system						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 List the organs of the cardiovascular system (Heart, Arteries/arterioles, veins/veins)	Lectures Discussions Assignment	Charts/ Posters - Projectors	2.9 Draw/ Label the organs circulatory system	Assist students to draw/ label the circulatory system	Anatomical models	-Assignment -Quiz -Test -Examination
2.2 Describe the structure and functions of the heart						
2.3 Highlight the cardiac conductive system						
2.4 List major arteries and major veins						
2.5 State the functions of the major arteries and veins listed above						
2.6 State the functions of arterioles, venules and capillaries						
2.7 Describe circulation of blood						
2.8 Explain blood volume, blood pressure, pulse, apex beat, blood group, Rh factor						

PROGRAMME: National Diploma in Paramedics Technology					Contact Hours/Week: 4hrs/week	
COURSE: Integrated Anatomy and Physiology					COURSE CODE: PMT122	
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 3.0 Understand the Integrated Anatomy and Physiology of the Nervous System						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 List the components of the nervous system	Lectures Discussions Assignment	Charts/ Posters - Projectors	3.8 Draw/ Label the brain and spinal cord	Assist students to draw/ label dbrain and spinal cord	Anatomical models	-Assignment -Quiz -Test -Examination
3.2 Describe the anatomy of the central nervous system						
3.3 Explain the functions of the central nervous system						
3.4 Describe the anatomy of the central nervous system						
3.5 Explain the functions of the peripheral nervous systems						
3.6 Explain the physiological process of nerve stimulation and conduction						
3.7 Describe the reflex pathway process, the pain pathway of nerve conduction, the autonomic nervous system						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Integrated Anatomy and Physiology			COURSE CODE: PMT122		Contact Hours/Week: 4hrs/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 4.0 Understand the integrated Anatomy and Physiology of the Gastro-intestinal System						
SPECIFIC LEARNING OBJECTIVES (THEORY)						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 List the organs that make up the digestive system (mouth, oesophagus, stomach, duodenum/jejunum, small intestine, large intestine, rectum, anus)	Lectures Discussions Assignment	Charts/ Posters - Projectors	4.5 Draw/ Label the gastro-intestinal system	Assist students to draw/ label the gastro-intestinal system	Anatomical models	-Assignment -Quiz -Test -Examination
4.2 Describe the structure of each organ listed above						
4.3 State the functions of each organ listed above						
4.4 Describe the process of food absorption and digestion						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Integrated Anatomy and Physiology			COURSE CODE: PMT122		Contact Hours/Week: 4hrs/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 5.0 Understand the integrated Anatomy and Physiology of the Genito-urinary system						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1 List the organs of the urinary system (kidneys, ureters, bladder, urethra)	Lectures Discussions Assignment	Charts/ Posters - Projectors	3.1 Draw/ Label the organs listed in 5.1	Assist students to draw/ label the organs listed in 5.1	Anatomical models	-Assignment -Quiz -Test -Examination
5.2 Outline the structure of the organs listed in 5.1 above						
5.3 State the functions of the organs of listed in 5.1 above						
5.4 Describe formation and excretion of urine						
5.5 List the organs of male and female reproductive system						
5.6 State the functions of the organs listed above						

PROGRAMME: National Diploma in Paramedics Technology					Contact Hours/Week: 4hrs/week	
COURSE: Integrated Anatomy and Physiology					COURSE CODE: PMT122	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 6.0 Understand the integrated Anatomy and Physiology of the Skin and the Endocrine System						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
6.1 List the layers of the skin	Lectures	Charts/ Posters - Projectors	6.7 Draw/ Label the skin	Assist students to draw/ label the skin		-Assignment -Quiz -Test -Examination
6.2 Describe the functions of the skin	Discussions Assignment					
6.3 List the organs of the endocrine system						
6.4 Describe the hormones secreted by the organs listed in 6.3 above						
6.5 State the functions of the hormones listed above						
6.6 List the disease conditions which might result from deficiency or excess of the hormones listed in 6.5 above						

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Trauma Systems			
CODE: PMT 123			
DURATION: (Hours/week) Lecture: 2hr	Tutorial -	Practical: 1hr	Total: 3hrs (45hrs)
UNITS: 3 CU			
GOAL: This course is designed to enable students understand the full range of care of an injured patient.			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Understand concepts of trauma systems			
2.0 Know the components of trauma systems			
3.0 Know phases of trauma care			

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Trauma Systems			COURSE CODE: PMT 123		Contact Hours/Week: 3hrs/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.0 Understand concepts of trauma systems						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define trauma systems 1.2 List types of trauma -Blunt -Penetrating 1.3 List causes of trauma -Road traffic crash -Gun shot -Weapon etc 1.4 Outline the goals of trauma care system	-Lecture -Discussion -Assignment					Assignment Quiz Test

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Trauma Systems			COURSE CODE: PMT 123		Contact Hours/Week: 3hrs/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 2.0 Know the components of trauma systems						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Outline the components of trauma systems - Emergency medical service - Trauma centres - Trauma team - Trauma registry - Injury prevention	-Lecture -Discussion -Assignment	White board/ marker -Posters/Charts -Projector -Textbooks/ Journals -flip charts				-Assignment -Quiz -Test -Examination
2.2 Describe each component outlined in 2.1 above						
2.3 Describe the integration and co-ordination of the components of trauma systems for effective trauma care						

PROGRAMME: National Diploma In Paramedics Technology						
COURSE: Trauma Systems			COURSE CODE: PMT 123		Contact Hours/Week: 3hrs/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 3.0 Know phases of trauma care						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Describe injury prevention	-Lecture	White board/	3.4 Visit a trauma centre	-Guide students		-Assignment
3.2 List the phases of trauma care	-Discussion	marker	3.5 Identify the various components available at the trauma centre	during the visit		-Quiz
-Pre hospital	-Assignment	-Posters/Charts				-Test
-hospital		-Projector				-Examination
-Post-hospital		-Textbooks/ Journals				
3.3 Describe the phases listed in 3.1 above		-flip charts				

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Assessment and Care Modules			
CODE: PMT 124			
DURATION: (Hours/week) Lecture: 1hr	Tutorial -	Practical: 2hr	Total: 3hr (45hrs)
UNITS: 3CU			
GOAL: This course is designed to enable the student understand assessment and care in medical emergencies			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Understand the concept of assessment and care			
2.0 Know the general principles of assessment of the scene			
3.0 Know the general principles of patient assessment and care			
4.0 Understand focused history and examination			

PROGRAMME: National Diploma in Paramedic Technology						
COURSE: Assessment and Care Modules			COURSE CODE: PMT 124		Contact Hours/Week: 3hours/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.0 Understand the concept of assessment and care						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 State the goals of assessment and care of the patient	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
1.2 State the goals of assessment of the scene of emergency						
1.3 Outline the general principles of history-taking						
1.4 Outline the general principles of physical examination						

PROGRAMME: National Diploma in Paramedic Technology					Contact Hours/Week: 3hours/week		
COURSE: Assessment and Care Modules			COURSE CODE: PMT 124				
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 2.0 Know the general principles of assessment of the scene							
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Define scene safety 2.2 List potential hazards found at the scene of emergency 2.3 Discuss personal, patient and bystander protection at the scene of emergency 2.4 Discuss the emergency in terms of the following: -nature of illness -mechanism of injury -total number of patient -required number and types of personnel at the scene		-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedic Technology					Contact Hours/Week: 3 hours/week	
COURSE: Assessment and Care Modules			COURSE CODE: PMT 124			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 3.0 Know the general principles of patient assessment and care						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Discuss forming general impression of a patient (Age, Sex, Tribe and race, priority of care, mechanism of injury/ nature of illness)	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals	Carry out minor emergency procedures -cervical immobilisation -lifting manoeuvres Practice bag and mask ventilation	Demonstrate minor emergency procedures -cervical immobilisation -lifting manoeuvres Demonstrate bag and mask ventilation		-Assignment -Quiz -Test -Examination
3.2 Outline steps in determining the severity of condition (Mental status; Airway status; Breathing; Circulation - pulse, major bleeding, skin colour and temperature)						

3.3	Discuss history of trauma and medical patient				
3.4	Discuss physical examination of trauma and medical patient				
3.5	Outline features to be considered in prioritizing patients (General impression; Responsiveness -gag or cough reflex; Difficulty in breathing, Perfusion status; Complicated childbirth; Chest pain with BP <100 systolic; Uncontrolled Bleeding; Severe pain anywhere)				

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Basic Pharmacology			
CODE: PMT 125			
DURATION: (Hours/week) Lecture: 2hr		Tutorial	Practical:
UNITS: 2 CU		Total: 2hrs (30hrs)	
GOAL: This course is designed to provide students with the basic knowledge of Pharmacology			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0	Understand basic terms/concepts of Clinical Pharmacology		
2.0	Know various classes of drugs used in emergency care		
3.0	Understand administration of drugs used in emergency care		
4.0	Know side effects of drugs		
5.0	Know the roles of law in drug supply and administration		

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 125		Contact Hours/Week: 2hrs/week
COURSE: Basic Pharmacology							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 1.0 Understand basic terms/concepts of Clinical Pharmacology							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
1.1 Define the following terms; -Pharmacology -Drugs -Pharmacokinetics -Pharmacodynamics -Drug synergisms -Empirical treatment etc 1.2 Explain sources of drugs 1.3 List the routes of drug administration -Sublingual -Intra muscular Intradermal -Intratheca -Subcutaneous -Inhalation -Intravenous -Enteral -Topical 1.4 Explain each route listed in 1.3 above 1.5 Give examples of common drugs applicable to each route listed in 1.3 above	-Lecture -Discussion -Assignment	White board/ marker -Posters/Charts -Projector -Textbooks/ Journals -flip charts				-Assignment -Quiz -Test -Examination	

PROGRAMME: National Diploma in Paramedics Technology					
COURSE: Basic Pharmacology			COURSE CODE: PMT 125		Contact Hours/Week: 2hrs/week
COURSE SPECIFICATION : Theory/Practical					
GENERAL OBJECTIVE: 2.0 Know various classes of drugs used in emergency care					
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES
2.1 Classify drugs -Analgesics -Anesthetics -Antibiotics -Sedatives -CNS Stimulants and depressants -Fluids and electrolytes -Anti-emetics -Anti-depressants -Anti hypertensive -Oral hypoglycemic agents etc	-Lecture -Discussion -Assignment	White board/ marker -Posters/Charts -Projector -Textbooks/ Journals -flip charts			
2.2 List examples of drugs in the classes listed in 2.1 above					
					-Assignment -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology					
COURSE: Basic Pharmacology			COURSE CODE: PMT 125		
COURSE SPECIFICATION : Theory/Practical					
GENERAL OBJECTIVE:3.0 Understand administration of drugs used in emergency care					
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES
3.1 Outline rules in the administration of drugs	-Lecture -Discussion -Assignment	White board/ marker -Posters/Charts -Projector -Textbooks/ Journals -flip charts	3.2 Demonstrate skills in administration of drugs		
					-Assignment -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Search and Rescue			
CODE: PMT 126			
DURATION: (Hours/week) Lecture: 1hr		Tutorial -	Practical: 2hrs
UNITS: 1CU		Total: 3hrs (45hrs)	
GOAL: This course is designed to enable the students acquire skills needed for search and rescue			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Understand basic search and rescue			

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 218		Contact Hours/Week: 3hours/ Week
COURSE: Search and Rescue							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 1.0 Understand Basic Search and Rescue							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
1.1 Define the following terms; - Disasters - Types of Disaster - Principles of Disaster Management - Emergency - Emergency Management	-Lectures -Discussions -Assignment - Clips and Films of Search and Rescue Operations	-Projector -Textbooks/ Journals	1.9 Handle and apply Search and Rescue Equipment	- Demonstrate the use of Search and Rescue Equipment	- Search and Rescue Equipment and Kits	-Assignment -Test -Examination	
1.2 Describe Emergency Management Cycle							
1.3 Explain Incident Command Management							
1.4 Outline Search and Rescue Operations							
1.5 List Government Response Agencies (Refer to Search and Rescue and Epidemic Evacuation Plan)							
1.6 Explain Volunteer Orientation and Management							
1.7 Describe Effective Communication Techniques							
1.8 Explain Media and Public Relations							

PROGRAMME: National Diploma in Paramedical Technology			
COURSE: Professional Ethics and Law			
CODE: PMT 127			
DURATION: (Hours/week) Lecture: 1hr	Tutorial: -	Practical:	Total: 1hr (15hrs)
UNITS: 1CU			
GOAL: This course is designed to enable the students understand legal issues and ethical codes that impact decisions made in paramedic practice			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Understand codes of ethics related to paramedic practice			
2.0 Understand legal frameworks/ legislations associated with paramedic practice			

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Professional Ethics and Law			COURSE CODE: PMT 127		Contact Hours/Week: 1hr/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.0 Understand codes of ethics related to paramedic practice						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Outline the legal duties of the paramedic to the employer, patients and public 1.2 State the Ethical responsibilities of the paramedic -Make the physical/emotional needs of the patient a priority. -Practice/ maintenance of skills to the point of mastery. - Attend continuing education/refresher programs.	-Lecture -Discussion -Assignment	White board/ marker -Posters/Charts -Projector -Textbooks/ Journals -flip charts				Assignment Quiz Test Examination
1.3 State the types of consent (expressed, implied, children and mentally deranged person)						
1.4 Explain the following terms: autonomy, confidentiality, DNR, Duties to act, Breach of duty						

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to Ambulance Services			
CODE: PMT128			
DURATION: (Hours/week) Lecture: 1hr	Tutorial -	Practical: - 3hrs	Total: 3hrs (45hrs)
UNITS: 3			
GOAL: This course is designed to enable students acquire knowledge and skills in the operation, use and maintenance of ambulances in medical emergencies			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Know types of ambulances			
2.0 Know the different equipment in an ambulance and their uses			
3.0 Know the principles of emergency vehicle operation			
4.0 Understand the principle of communication in emergency situation			
5.0 Carry out basic maintenance of ambulances			

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Ambulance services						
COURSE SPECIFICATION : Theory/Practical				COURSE CODE: PMT128	Contact Hours/Week: 3hrs/week	
GENERAL OBJECTIVE: 1.0 Know types of ambulances						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 List types of ambulances based on the following categories -Land (Regular, Mobile ICU, bicycles, tricycles) -Air (helicopter, twin engines) -Marine (boat, hovercraft)	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Ambulance services			COURSE CODE: PMT118		Contact Hours/Week: 3hrs/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 2.0 Know the different equipment in an ambulance and their uses						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 List medical and non-medical equipment required in an ambulance -Medical (Basic supplies, Patient transfer equipment, Airways, Suction equipment, Artificial ventilation devices, Oxygen inhalation equipment, Cardiac compression equipment, Basic wound care supplies, Splinting supplies, Childbirth supplies, Medications, Automated external defibrillator etc) -Non-medical (Personal safety equipment, Pre-planned routes or comprehensive street maps etc)	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
1.2 Describe the uses of each one listed in 2.1 above						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Ambulance services			COURSE CODE: PMT118		Contact Hours/Week: 3hrs/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 3.0 Know the principles of emergency vehicle operation						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Outline the principles of emergency vehicle operation -safe driving -positioning of vehicles -laws and regulations of driving etc	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
3.2 State the characteristics of a good ambulance operator -Physically fit -Mentally fit -Able to perform under stress -Positive attitude about abilities -Tolerant of other drivers etc						
3.3 Use of light and siren						

PROGRAMME: National Diploma in Paramedics Technology							
COURSE: Introduction to Ambulance services			COURSE CODE: PMT118		Contact Hours/Week: 3hrs/week		
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 4.0 Understand the principle of communication in emergency situation							
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Define communication		-Lecture	-White board/				-Assignment
4.2 List the modes and types of communication in emergency		-Discussion	marker				-Quiz
Verbal		-Assignment	-Posters/Charts				-Test
(2-way radio, telephone, GSM, pagers, beepers etc)			-Projector				-Examination
Non- Verbal			-Textbooks/ Journals				
(sign language, body language)							
4.3 Describe communication process and pathway							
4.4 Explain communication skills required in emergency services							
4.5 Explain terminologies used in communication							

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT118		Contact Hours/Week: 3hrs/week
COURSE: Introduction to Ambulance services						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 5.0 Carry out basic maintenance of ambulances						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
			5.1 Inspect the vehicle for the following: Fuel, Oil, Engine, cooling, system, Battery, Brakes, Wheels and tires, Headlights, Stoplights, Turn signals, Emergency warning lights, Wipers, Horn, Siren, Doors closing and latching, Communication system, Air conditioning, heating system, Ventilation system			-Assignment -Quiz -Test -Examination
			5.2 Inspect equipment and supplies			

PROGRAMME: National Diploma in Paramedic Technology			
COURSE: Citizenship Education II			
CODE: PMT 211			
DURATION: (Hours/week) Lecture: 2		Tutorial	Practical:
UNITS: 2 CU		Total: 2hrs/wk	
GOAL: This course is designed to create awareness and consciousness Nigerian political institutions and structures, democratic principles and social values in the mind of the student.			
GENERAL OBJECTIVES: On completion of this course, the student should			
1.0 Understand government, political parties and elections.			
2.0 Know the arms of government			
3.0 Understand constituted authority.			
4.0 Understand national identity.			
5.0 Understand national ethics and discipline in national life.			
6.0 Know some methods of environmental protection.			

PROGRAMME: National Diploma in Paramedic Technology			
COURSE: Citizenship Education II			
COURSE SPECIFICATION: Theory		COURSE CODE: GNS 121	Contact Hours/Week: 2hrs/wk
GENERAL OBJECTIVE: 1.0 Understand government, political parties and elections			
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)
1.1 Explain the need for government, political parties and elections	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals	
1.2 Describe the various systems of government.			-Assignment -Quiz -Test -Examination
1.3 Examine the various forms of government.			
1.4 Outline the functions of government.			
1.5 Examine the various processes of an election.			
1.6 Assess the role and importance of political parties in an election.			
1.7 Evaluate the functions of other agencies in an election.			
1.8 Discuss the need for a free and fair election			

SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Analyse the functions of the Legislature, the Executive and the judiciary at Federal, State and	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
1.2 Local Government levels.						
1.3 Examine the relationships among the three arms of government.						
1.4 Explain the principles of Separation of Power and checks and balance in government.						
1.5 Explain the processes of election appointment and removal of the Executive at the three levels of government.						
1.6 Examine the main components of the Nigerian judicial system and its independence						
1.7 Evaluate the components of the code of conduct for public officers.						
1.8 Assess the effectiveness of the Executive in the management of public funds						
1.9 Assess the performance of the mass media in Nigeria.						

PROGRAMME: National Diploma in Paramedic Technology		
COURSE: Citizenship Education II	COURSE CODE: GNS 121	Contact Hours/Week: 2hrs/wk
COURSE SPECIFICATION : Theory		
GENERAL OBJECTIVE: 3.0 Understand constituted authority.		

SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Explain the term Constituted Authority	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
3.2 Distinguish between the types of constituted authority						
4.1 Examine bureaucracy, its characteristics advantages and disadvantages.						
4.2 Examine different forms of delegated authority in a modern state.						
4.3 Distinguish between the terms Power and Authority						
4.4 the forms and effects of abuse of power.						
4.5 Prescribe remedies for abuse of power.						
4.6 Distinguish between "Leadership" and "Followership".						
4.7 Evaluate the roles of leaders and followers in nation building.						
4.8 Examine the qualities of good leaders and followers.						

PROGRAMME: National Diploma in Paramedic Technology			COURSE CODE: GNS 121		Contact Hours/Week: 2hrs/wk	
COURSE: Citizenship Education II						
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 4.0 Understand national identity.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Explain the need for and ways of preserving national identity.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
4.2 Examine the role and significance of national symbols.						
4.3 Discuss the contributions of selected heroes and heroines towards the development of Nigeria.						
4.4 State similarities and differences of various aspects of culture in Nigeria.						
4.5 Examine the role of culture in national integration						

PROGRAMME: National Diploma in Paramedic Technology						
COURSE: Citizenship Education II			COURSE CODE: GNS 121		Contact Hours/Week: 2hrs/wk	
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 5.0 Understand national ethics and discipline in national life.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1 Explain the need for national ethics	-Lecture	-White board/ marker				-Assignment
5.2 Relate various aspects of national ethics to national development.	-Discussion -Assignment	-Posters/Charts -Projector -Textbooks/ Journals				-Quiz -Test -Examination
5.1 Discuss the causes and consequences of indiscipline in the nation.						
5.2 Evaluate the methods used by public agencies in the control of indiscipline.						
5.3 Discuss how citizens can participate in the control of indiscipline						
5.4 Discuss the need to maintain the right attitudes towards public property.						

PROGRAMME: National Diploma in Paramedic Technology				COURSE CODE: GNS 121		Contact Hours/Week: 2hrs/wk	
COURSE: Citizenship Education II							
COURSE SPECIFICATION : Theory							
GENERAL OBJECTIVE: 6.0 Know some methods of environmental protection.							
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
6.1	Explain the concept of environment.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
6.2	Analyse the components of the Nigerian environment.						
6.3	Explain the impact of the environment on human development.						
6.4	Suggest ways of reducing over exploitation of the environment.						
6.5	Discuss the different forms, causes and effects of pollution on the environment.						
6.6	Evaluate the different methods of controlling pollution.						
6.7	Examine the different methods used for the conservation of the environment.						
6.8	Assess the effectiveness of national and international conservation agencies						

PROGRAMME: National Diploma in Paramedic Technology			
COURSE: Introduction to Entrepreneurship			
CODE: BAM 126			
DURATION: (Hours/week) Lecture: 2		Tutorial	Practical:
UNITS: 2 CU		Total: 2hrs/wk	
GOAL: This course is designed to introduce students to entrepreneurship			
GENERAL OBJECTIVES: On completion of this course, the student should			
1.0 Understand the basic concept of entrepreneurship			
2.0 Understand the roles of entrepreneurship in personal and national growth and development			
3.0 Know how to set business goals			
4.0 Know how to identify business opportunities			
5.0 Know how to draw single business plan			

PROGRAMME: National Diploma in Paramedic Technology				COURSE CODE: BAM 126		Contact Hours/Week: 2hrs/wk
COURSE: Introduction to Entrepreneurship						
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 1.0 Understand the basic concept of entrepreneurship						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Explain the terms: i) Entrepreneurship ii) Entrepreneur iii) Enterprise iv) iv) Self Employment v) Wage vi) Employment 1.2 Compare: i) Wage Employment and Entrepreneurship ii) Self Employment and Entrepreneurship 1.3 Identify the facilities and opportunities available for self employment. 1.4 Identify successful entrepreneurs in Nigeria 1.5 Evaluate the role of entrepreneurship in wealth creation.	• Explain the terms related to entrepreneurship. • Compare wage employment and self employment with entrepreneurship. • Identify opportunities for self employment • Explain the role of entrepreneurship in wealth creation. • Give assignment • Organize a visit to an entrepreneur's organization.	Textbooks				-Assignment -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedic Technology					COURSE CODE: BAM 126		Contact Hours/Week: 2hrs/wk
COURSE: Introduction to Entrepreneurship							
COURSE SPECIFICATION : Theory							
GENERAL OBJECTIVE: 2.0 Understand the roles of entrepreneurship in personal and national growth and development							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
2.1 Explain how entrepreneurship leads to the creation of: • Self confidence • Self Expression • Wage Employment for others • Self Employment	• Explain the role of entrepreneurship to national development. • Explain resources and constraints of entrepreneurship.	Textbooks	2.6 Explain the role of computer and information technology in entrepreneurship	• Explain with the aid of a computer and application packages:- E-mail, Internet, website • Create Spreadsheet	- Computer and accessories - Lotus 123 - Dbase - Internet facility	-Assignment -Quiz -Test -Examination	
2.2 Identify resources and constraints of entrepreneurship.							
2.3 Explain how entrepreneurship leads to import substitution and utilization of local resources.	• Explain the spirit of Achievement Motivation Test (A.M.T). • Invite a successful entrepreneur to give a talk to the students						
2.4 Explain how entrepreneurship leads to equitable distribution of industries.							
2.5 Explain the spirit of Achievement Motivation Test (A.M.T.)							

PROGRAMME: National Diploma in Paramedic Technology						Contact Hours/Week: 2hrs/wk	
COURSE: Introduction to Entrepreneurship						COURSE CODE: BAM 126	
COURSE SPECIFICATION : Theory							
GENERAL OBJECTIVE: 3.0 Know how to set business goals							
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1	Evaluate strengths, weaknesses opportunities and threat (SWOT Analysis).	Explain SWOT analysis and relate it to the organization visited.	Textbook	Explain the Entrepreneurship	Demonstrate, using appropriate application package: Business planning Time Management etc.	- Computer and accessories - Lotus 123 - Dbase - Internet facility	-Assignment -Quiz -Test -Examination
3.2	Explain the personal characteristics of an entrepreneur.	Explain characteristics of an entrepreneur.					
3.3	Explain the Entrepreneurial Tasks: - Leadership - Decision-making - Business Planning - Time Management - Self Management	- Explain the entrepreneurial tasks. - Conduct Test					

PROGRAMME: National Diploma in Paramedic Technology				Contact Hours/Week: 2hrs/wk		
COURSE: Introduction to Entrepreneurship				COURSE CODE: BAM 126		
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 4.0 Know how to identify business opportunities						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Define business opportunity.	- Explain business opportunities and process of exploring them. - Explain the process of product/service selection	Textbooks	Explain the process of exploring opportunities	- Demonstrate using appropriate application package. - Product selection product tracking order tracking	- Computer and accessories - Dbase - Lotus 123 - Text Book	-Assignment -Quiz -Test -Examination
4.2 Identify the process of product/service selection.						
4.3 State the process of exploring opportunities						

PROGRAMME: National Diploma in Paramedic Technology

COURSE CODE: BAM 126

Contact Hours/Week: 2hrs/wk

COURSE: Introduction to Entrepreneurship

COURSE SPECIFICATION : Theory

GENERAL OBJECTIVE: 5.0 Know how to draw simple business plan

SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1 Define the concept of business plan.	• Explain the concept of business plan and project proposal.	Textbooks	5.5 Explain the process of preparing preliminary project proposal	• Guide students in preparing preliminary project.	- Computer and accessories - Dbase - Lotus 123 - Text Book	- Assignment - Quiz - Test - Examination
5.2 Explain the process of preparing preliminary project proposal.	• Guide students in preparing a modest business plan.		5.6 Explain the process of preparing a detailed business plan.	• Demonstrate, using appropriate packages. Sales forecasting		
5.3 Explain the process of preparing a detailed business plan.	• Give assignment.		5.7 Conduct a modest business plan on a selected venture	Business plan Time sheet analysis Employee tracking Loan Amortization etc.		
5.4 Conduct a modest business plan on a selected venture (The written business plan should be assessed as part of the continuous assessment).				• Explore internet for: Company profile Product catalogue Product information URL Management		

PROGRAMME: National Diploma in Paramedic Technology			
COURSE: Triage and Transportation			
CODE: PMT 211			
DURATION: (Hours/week) Lecture: 2	Tutorial	Practical: 2	Total: 4hrs/wk
UNITS: 4 CU			
GOAL: This course is designed to enable the student to understand the principles of triage and transportation of injured/emergency patients			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Understand triage and its indications			
2.0 Know the different triage systems			
3.0 Understand the different triage categories and their codes			
4.0 Know the different means of transportation/evacuation of injured patients			

PROGRAMME: National Diploma in Paramedic Technology						
COURSE: Triage and Transportation			COURSE CODE: PMT 211		Contact Hours/Week: 4hrs/wk	
COURSE SPECIFICATION : Theory/Practicals						
GENERAL OBJECTIVE: 1.0 Understand triage and its indications						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define triage	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
1.2 List the indications for triage						
1.3 Define related terms – mass casualty, overtriage, undertriage						
1.4 Describe the implications of errors in triage for the patient and the health system						

PROGRAMME: National Diploma in Paramedic Technology						
COURSE: Triage and Transportation			COURSE CODE: PMT 211		Contact Hours/Week: 4hrs/wk	
COURSE SPECIFICATION : Theory/Practicals						
GENERAL OBJECTIVE: 2.0 Know the different triage systems						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Define triage sieve and triage sort	-Lecture	-White board/ marker				-Assignment
2.2 List the parameters used in assigning patients to triage groups	-Discussion	-Posters/Charts				-Quiz
2.3 Describe the START (Simple Triage and Rapid Transport) triage system.	-Assignment	-Projector				-Test
2.4 Describe the Careflight triage system		-Textbooks/ Journals				-Examination
2.5 To know hospital triage and its priorities						
2.6 To understand the trauma scoring systems						
2.7 To know the anatomic and physiologic parameters used in trauma scoring in the field						

PROGRAMME: National Diploma in Paramedic Technology					JRSE CODE: PMT 211		Contact Hours/Week: 4hrs/wk
COURSE: Triage and Transportation							
COURSE SPECIFICATION : Theory/Practicals							
GENERAL OBJECTIVE: 3.0 Understand the different triage categories and their codes							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
3.1 Describe category 1 patients	-Lecture	-White board/ marker				-Assignment	
3.2 Describe category 2 patients	-Discussion	-Posters/Charts				-Quiz	
3.3 Describe category 3 patients	-Assignment	-Projector				-Test	
3.4 Describe category 4 patients.		-Textbooks/ Journals				-Examination	
3.5 Explain how patient category can change with time.							

PROGRAMME: National Diploma in Paramedic Technology							COURSE CODE: PMT 211		Contact Hours/Week: 4hrs/wk
COURSE: Triage and Transportation									
COURSE SPECIFICATION : Theory/Practicals									
GENERAL OBJECTIVE: 4.0 Understand the different means of transportation/evacuation of injured patients									
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION			
1.1 Define medical evacuation and list types of ambulances – (regular, MICU) and describe their features	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination			
1.2 Explain the meaning of transfer protocols									
1.3 Describe the matching of patient needs to designated facilities									
1.4 Describe the different means of medical transport – overland, air, sea, etc									
1.5 Outline indications for each type of transport.									

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to prehospital life support			
CODE: PMT 212			
DURATION: (Hours/week) Lecture: 2	Tutorial	Practical: 3	Total: 5
UNITS: 6 CU			
GOAL: To give the student an understanding of the organization of pre hospital trauma care.			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Know the composition of emergency medical services			
2.0 Know the issues of involved in medical control for EMS			
3.0 Understand scene control and safety			
4.0 Understand the mechanisms and kinematics of trauma			
5.0 Know the components of primary survey			
6.0 Know the different airway interventions in trauma			
7.0 Know ventilation and circulatory support in resuscitation			
8.0 Know the assessment of the central nervous system intrauma			
9.0 Understand exposure and environmental control and secondary survey			

PROGRAMME: National Diploma In Paramedic Technology			COURSE CODE: PMT 212		Contact Hours/Week: 5hrs/wk	
COURSE: Introduction To Prehospital Trauma Life Support						
COURSE SPECIFICATION : Theory/ Practicals						
GENERAL OBJECTIVE: 1.0 Know the composition of an Emergency medical services (EMS)						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 List the components of EMS including personnel, equipment and vehicles	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
1.2 Explain the categories of personnel and their roles in EMS						
1.3 List the different equipment that are used in pre hospital care						
1.4 Describe the types of vehicles used in prehospital care.						
1.5 Describe the procedure for activation and response of an EMS						

PROGRAMME: National Diploma In Paramedic Technology						
COURSE: Pre Hospital Trauma Life Support				COURSE CODE: PMT 212		Contact Hours/Week: 5
COURSE SPECIFICATION : Theory/ Practicals						
GENERAL OBJECTIVE: 2.0 Know the Role Of Medical Control In EMS						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 To define medical direction in EMS	-Lecture	-White board/ marker				-Assignment
2.2 To explain the meaning of on-line direction	-Discussion	-Posters/Charts				-Quiz
2.3 To explain the meaning of off-line direction	-Assignment	-Projector				-Test
2.4 To describe the use of continuous professional development and research in EMS		-Textbooks/ Journals				-Examination

PROGRAMME: National Diploma In Paramedic Technology						
COURSE: Introduction To Prehospital Trauma Life Support			COURSE CODE: PMT 212		Contact Hours/Week: 5 hrs/wk	
COURSE SPECIFICATION : Theory/ Practicals						
GENERAL OBJECTIVE: 3.0 Understand Scene assessment And Safety						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 To describe the importance of scene safety	-Lecture	-White board/ marker				-Assignment
3.2 To describe the things that make a scene unsafe for the patient	-Discussion	-Posters/Charts				-Quiz
3.3 To describe the things that may make the scene unsafe for the paramedic or others	-Assignment	-Projector				-Test
3.4 To know the other agencies that may be needed before the paramedic can access a scene		-Textbooks/ Journals				-Examination

PROGRAMME: National Diploma In Paramedic Technology					Contact Hours/Week: 5 hrs/wk	
COURSE: Introduction To Prehospital Trauma Life Support			COURSE CODE: PMT 212			
COURSE SPECIFICATION : Theory/ Practicals						
GENERAL OBJECTIVE: 4.0 To Know The Kinematics Of Trauma						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Outline the different mechanisms of trauma	-Lecture	-White board/ marker				-Assignment
4.2 Describe the difference between blunt and penetratin injury	-Discussion -Assignment	-Posters/Charts -Projector -Textbooks/ Journals				-Quiz -Test -Examination
4.3 Describe the different types of vehicular collisions and how they cause injury						
4.4 Describe missile ballistics in gunshot injuries						

PROGRAMME: National Diploma In Paramedic Technology					Contact Hours/Week: 5 hrs/wk	
COURSE: Introduction To Prehospital Trauma Life Support					COURSE CODE: PMT 212	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 5.0 Understand Primary Survey						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1 Describe the components of the ATLS protocol	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
5.2 List the components of primary survey						
5.3 Describe the priorities in resuscitation						
5.4 Describe the monitoring of a patient in resuscitation						
5.5 Know situations where resuscitation should not be instituted						

PROGRAMME: National Diploma In Paramedic Technology					
COURSE: Introduction To Prehospital Trauma Life Support					
COURSE SPECIFICATION : Theory/ Practicals				COURSE CODE: PMT 212	
GENERAL OBJECTIVE: 6.0 To Understand the Different Components of Airway Interventions				Contact Hours/Week: 5 hrs/wk	
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	EVALUATION
6.1 To describe the features of a compromised airway	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals			-Assignment -Quiz -Test -Examination
6.2 To describe positional airway interventions					
6.3 To describe the equipment used to open up an obstructed airway					
6.4 To describe the non surgical procedures for securing airway					
6.5 To describe the surgical procedures for definitive airway					
PROGRAMME: National Diploma In Paramedic Technology					
COURSE: Introduction To Prehospital Trauma Life Support					
COURSE SPECIFICATION : Theory/ Practicals				COURSE CODE: PMT 212	
GENERAL OBJECTIVE: 7.0 Understand Ventilation And Fluid Management				Contact Hours/Week: 5 hrs/wk	
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	EVALUATION
7.1 Describe the conditions that may impair ventilation	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals			-Assignment -Quiz -Test -Examination
7.2 Outline the assessment of ventilation					
7.3 Describe the ways of assisting ventilation					
7.4 Describe the indications for circulatory support					
7.5 Describe the features of shock					
7.6 Describe different fluids and routes of administration in resuscitation					
7.7 Describe the features of circulatory overload					

PROGRAMME: National Diploma In Paramedic Technology				COURSE CODE: PMT 212		Contact Hours/Week: 5 hrs/wk
COURSE: Introduction To Prehospital Trauma Life Support						
COURSE SPECIFICATION : Theory/ Practicals						
GENERAL OBJECTIVE: 8.0 Know how to assess The Central Nervous System In Trauma						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
8.1 Define head injury	-Lecture	-White board/ marker				-Assignment
8.2 List the causes of head injury and their clinical features	-Discussion -Assignment	-Posters/Charts -Projector -Textbooks/ Journals				-Quiz -Test -Examination
8.3 Describe the Glasgow Coma Scale						
8.4 Grade head injury severity using the Glasgow Coma Scale						
8.5 Describe the causes and features of increased intracranial pressure						
8.6 Describe the manoeuvres that may be used to lower a raised intracranial pressure						

PROGRAMME: National Diploma In Paramedic Technology						COURSE CODE: PMT 212		Contact Hours/Week: 5 hrs/wk
COURSE: Introduction To Prehospital Trauma Life Support								
COURSE SPECIFICATION : Theory/ Practicals								
GENERAL OBJECTIVE: 9.0 Understand Exposure In A Controlled Environment And Secondary Survey								
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
1.1	Describe the meaning of exposure and environmental control	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination	
1.2	Describe the areas of the body that may have hidden injuries							
1.3	Understand how missed injuries can affect outcome							
1.4	Describe how the environmental temperatures can affect the patient							
1.5	Describe different techniques for warming the patient.							

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to Prehospital Paediatric Life Support (PMTLS)			
CODE: PMT 213			
DURATION: (Hours/week) Lecture: 1hr	Tutorial -	Practical: 1hr	Total: 2hrs (30hrs)
UNITS: 2 CU			
GOAL: This course is designed to introduce the students to Prehospital Paediatric Life Support (PMTLS)			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0 Understand the paediatric age group and the different categories			
2.0 Know the Anatomical and Physiological characteristics of infants and children and their implications			
3.0 Know the special considerations in airway management and ventilation for the paediatric patient			
4.0 Know the common mechanisms and types of injury in children			
5.0 Know the basic ways of identifying child abuse			
6.0 Know the pre-hospital interventions of other common emergency situations in children			

PROGRAMME: National Diploma in Paramedic Technology					Contact Hours/Week: 2 hrs/wk	
COURSE: Introduction To Pre Hospital Paediatric Life Support			COURSE CODE: PMT 213			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.0 Understand the paediatric age group and the different categories						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define the paediatric age groups and list the categories-neonate, infant, preschool, school age, adolescent.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
1.2 Define the neonatal group						
1.3 Define the toddler						
1.4 Describe the preschool child						
1.5 Describe the school age child						
1.6 Describe the adolescent child						

PROGRAMME: National Diploma in Paramedics Technology					Contact Hours/Week: 2hrs (30hrs)	
COURSE: Introduction to Prehospital Paediatric Life Support (PMTLS)			COURSE CODE: PMT 213			
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 2.0 Know the Anatomical and Physiological characteristics of infants and children and their implications						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Outline the differences in adult and childhood anatomy and physiology	Lectures Discussions Assignment	White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
2.2 Identify key growth and developmental characteristics of infants and children and their implications						
2.3 Describe techniques for successful assessment of infants and children.						
2.4 Identify "normal" age-group-related vital signs						

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT213		Contact Hours/Week: 2hrs (30hrs)
COURSE: Introduction to Prehospital Paediatric Life Support (PMTLS)							
COURSE SPECIFICATION : Theory							
GENERAL OBJECTIVE: 3.0 Know the special considerations in airway management and ventilation for the paediatric patient							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
3.1 Define respiratory distress, respiratory failure, and respiratory arrest	Lectures Discussions Assignment	White Board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination	
3.2 Differentiate between upper airway obstruction and lower airway disease							
3.3 Discuss the assessment findings associated with respiratory distress/failure in infants and children							
3.4 Describe the general approach to the pre-hospital treatment of children with respiratory distress, failure, or arrest from upper airway obstruction or lower airway disease.							

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT 213		Contact Hours/Week: 2hrs (30hrs)
COURSE: Introduction to Prehospital Paediatric Life Support (PMTLS)						
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 4.0 Know the common mechanisms and types of injury in children						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Discuss the Common mechanisms and types of injury in children	Lectures Discussions Assignment	White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Quiz -Test -Examination
4.2 Discuss the assessment techniques to determine the severity of traumatic injury in the paediatric patient						
4.3 Describe appropriate pre-hospital interventions for traumatic injuries in children						

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 213		Contact Hours/Week: 2hrs (30hrs)
COURSE: Introduction to Prehospital Paediatric Life Support (PMTLS)							
COURSE SPECIFICATION : Theory							
GENERAL OBJECTIVE: 5.0 Know the basic ways of identifying child abuse							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
5.1 Define child abuse and child neglect	Lectures	White board/ marker				-Assignment	
5.2 Describe the categories of abuse and give examples of child abuse	Discussions	-Posters/Charts				-Quiz	
5.3 Describe the profile of the "at-risk" child for child abuse	Assignment	-Projector				-Test	
5.4 Discuss the documentation associated with the abused or assaulted patient		-Textbooks/ Journals				-Examination	
5.5 Describe the medical responsibility in suspected child abuse							
Describe the legal responsibility in suspected child abuse							

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Prehospital Paediatric Life Support (PMTLS)			COURSE CODE:PMT 213		Contact Hours/Week: 2hrs (30hrs)	
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 6.0 Know the pre-hospital interventions of other common emergency situations in children						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1 Define near-drowning and List signs and symptoms of near-drowning	Lectures Discussions Assignment	White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				Assignment Test
5.2 Describe the pre-hospital treatment for near-drowning in a child						
5.3 List common causes of poisoning in children and Discuss common Toxic syndromes resulting from specific poisonings						
5.4 Discuss pre-hospital treatment and interventions for specific poisoning in children						
5.5 Discuss the identification assessment and treatment of hyperthermia, hypothermia and frostbite						

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to Pre-Hospital Geriatrics Emergency			
CODE: PMT 216			
DURATION: (Hours/week)	Lecture: 1	Tutorial : -	Practical: 2
UNITS: 3CU		Total: 3	
GOAL: The course is designed to introduce students to Pre-hospital Geriatrics Emergency			
GENERAL OBJECTIVES: On completion of this course, the students will be able to			
1.0	Know normal and abnormal changes in the elderly		
2.0	Understand management of common diseases in the elderly		

PROGRAMME: National Diploma in Paramedics Technology						Contact Hours/Week: 3hours/week
COURSE: Introduction to Pre-hospital Geriatrics emergency				COURSE CODE:PMT 216		
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.0 Know normal and abnormal changes in the elderly						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.0 Define the followings: -Geriatrics -The Elderly	- Lecture - Discussion - Assignment	White board/marker - Posters/charts - Projector - Textbooks/ journals				-Assignment -Quiz -Test -Examination
2.0 Explain pathophysiologic changes in the following system: -Pulmonary -Cardiovascular -Neurology -GIT -Musculoskeletal						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Pre-hospital Geriatrics emergency			COURSE CODE: PMT 216	Contact Hours/Week: 3 hours/week		
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 2.0 Understand management of common diseases in the elderly						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 List the common diseases in the elderly -Diabetes -Pulmonary infection -Arthritis -Falls -Impairment of Vision -Psychiatric Disorders -Delirium -Dementia -Parkinson -Hypertension etc	- Lecture - Discussion - Assignment	White board/marker - Posters/charts - Projector - Textbooks/ journals	1.4 Geriatric Assessment	Demonstrate Geriatric Assessment		-Assignment -Quiz -Test -Examination
1.2 Explain management of the diseases listed above						
1.3 Discuss the following issues in the management of the elderly; -Toxicology in the elderly -Environmental consideration						

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to Pre-Hospital Obstetric Emergency			
CODE PMT 215			
DURATION: (Hours/week) Lecture: 1 hr		Tutorial -	Practical: 1 hr
UNITS: 2CU		Total: 2 hours (30 hours)	
GOAL: This course is designed to introduce the students to Obstetric Emergency			
GENERAL OBJECTIVES: On the completion of this course, the student will be able to			
1.0 Know the general description of the major organs and structures involved in pregnancy			
2.0 Know assessment and care of pre-delivery emergency			
3.0 Understand obstetric emergencies in active labour and delivery			
4.0 Understand assessment and care of the newborn infant			

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT 215		Contact Hours/Week: 2hrs/week	
COURSE: Introduction to Prehospital Obstetric Emergency							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 1.0 Understand general description of the major organs and structures involved in pregnancy							
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1	Describe the anatomy and functions of the Uterus, placenta, Umbilical cord, Amniotic sac, vagina and their specific actions during pregnancy and labour	Lectures, Discussions and Assignments	Whiteboard, markers, projector/screen, textbooks, journals, DVDs, computer.	1.4 Demonstrate of organs in the perineus and pelvis	-Use the relevant manikins to show the anatomy of the organs	-Manikins of pregnant women in labour. Anatomical models	-Assignment -Quiz -Test -Examination
1.2	Define Normal labour and its stages: - First stage being the longest - Second stage and expulsion of the baby - Third stage and expulsion of placenta			1.5 Carry out steps to assist in the normal cephalic delivery	-Uses manikins to demonstrate the stages of labour		
1.3	Identify and explain the use of the contents of an obstetric kit.			1.6 Carry out necessary care of the fetus as the head appears			
				1.7 Demonstrate infant neonatal procedures and post delivery care of the infant.			
				1.8 Demonstrate how and when to cut the umbilical cord			
				1.9 Demonstrate steps to delivery of placenta			
				1.10 Demonstrate post delivery care of the mother			

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Prehospital Obstetric Emergency						
COURSE SPECIFICATION : Theory/Practical			COURSE CODE: PMT 215	Contact Hours/Week: 2hrs/week		
GENERAL OBJECTIVE: 2.0 Understand assessment and care of pre-delivery emergency						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Describe scene size up, personal protection and initial assessment	Lecture, Assignments, Discussions	Whiteboard, markers, projector/screen, textbooks, journals, DVDs, computer.				-Assignment -Quiz -Test -Examination
2.2 Explain focused history and physical examination (Use of SAMPLE)						
2.3 Outline Signs and symptoms of pre-delivery emergency - Abdominal pain - Vaginal bleeding - seizures - Altered mental status - Excessive swelling of face and extremities - Abdominal trauma - Shock - Weakness and dizziness						
2.4 Explain Emergency Medical Care General guideline - Specific Pre-delivery Emergency Care - Breech presentations and steps to delivery - Prolapsed cord and delivery - Limb Presentation - Management and delivery - Multiple Births - Meconium and foetal Distress - Placenta Previa - Pre-eclampsia/Eclampsia - Ruptured uterus - Abruptio Placenta - Ectopic Pregnancy						

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 215		Contact Hours/Week: 2hrs/week
COURSE: Introduction to Prehospital Obstetric Emergency					COURSE SPECIFICATION : Theory/Practical		
GENERAL OBJECTIVE: 3.0 Understand obstetric emergencies in active labour and delivery							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
3.1 Describe the procedures for the following abnormal deliveries – breech birth, prolapsed cord limb presentations	Lectures		3.5 Carry out the procedures for the following abnormal deliveries; Vaginal bleeding, breech birth, prolapsed cord, limb presentation	Demonstrate the procedures for the following abnormal deliveries -Vaginal bleeding, breech birth, prolapsed cord, limb presentation	Delivery manikins	-Assignment -Quiz -Test -Examination	
3.2 Differentiate the special considerations for multiple birth			3.6 Completing a Pre-Hospital Care Report for patients with obstetric emergency	Demonstrate completing a Pre-Hospital Care Report for patients with obstetric emergency			
3.3 Describe special consideration of o Meconium o Premature birth							
3.4 Describe Special pre-delivery conditions complicating delivery and their emergency care o Placenta previa o Abruptive placenta o Preeclampsia/ eclampsia o Ruptured uterus o Ectopic pregnancy							

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT 215		Contact Hours/Week: 2hrs/week
COURSE: Introduction to Prehospital Obstetric Emergency						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 4.0 Understand assessment and care of the newborn infant						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Explain assessment of the newborn Appearance, pulse, Grimace activity, Respiration 1.2 Outline Signs and symptoms of Depressed newborn 1.3 Describe Emergency Medical Care of the Depressed newborn				Manikin demonstrations		

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to Pre-Hospital Medical Emergency			
CODE: PMT 215			
DURATION: (Hours/Week) Lecture: 1hr		Tutorial -	Practical: 1hr
UNITS: 2 CU		Total: 2hrs	
GOAL: This course is designed to enable the students know about common diseases that may present as medical emergencies and understand the emergency care for such cases.			
GENERAL OBJECTIVES: On completion of this course, the students will be able to:			
1.0 Understand the concepts of medical emergencies/emergency presentations.			
2.0 Know the common medical emergency presentations.			
3.0 Recognize common pre-hospital medical emergencies like cardiovascular, respiratory, gastro -intestinal, neurological, endocrinological emergencies, ARF, acute poisoning etc.			
4.0 Understand prompt and appropriate life-saving treatment for these conditions.			

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT 215		Contact Hours/Week: 2hrs/week
COURSE: Introduction to Pre-Hospital Medical Emergency						
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 1.0 Understand the concepts of medical emergencies/emergency presentations						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Understand the concept and differential diagnosis of emergency presentations e.g breathlessness, chest pain, coma, shock, headache. 1.2 A preliminary assessment; ABCD of resuscitation 1.3 Quick history from relatives that will assist diagnosis 1.4 Events surrounding onset of illness. 1.5 Assessment of loss of consciousness 1.6 Past medical history, medications, allergies.	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/ journals				- Assignment - Quiz - Test - Examination

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Pre-Hospital Medical Emergency			COURSE CODE: PMT 215		Contact Hours/Week: 2hrs/week	
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 2.0 Know the common Medical Emergency Presentations						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Cardiovascular Emergencies - Acute Myocardial Infarction (AMI) - Acute Coronary Syndrome (ACS) - Acute Pulmonary Oedema - Cardiogenic shock - Broad complex tachycardia - Narrow complex tachycardia 2.2 Respiratory emergencies - Acute severe asthma - Acute Exacerbations of COPD - Pneumo thorax - Tension pneumo thorax - Pulmonary embolism - Severe pneumonia 2.3 Gastro-intestinal emergencies - Acute upper GI bleeding 2.4 Neurological emergencies - Meningitis - Status epilepticus - Head injury - Cerebral abscess - ICP - Stroke 2.5 Endocrinological	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/ journals				- Assignment - Quiz - Test - Examination

emergencies							
- DIC and other aortic emergencies							
- Myoedema							
- crisis/thyroid storm							
- Andriksen crisis							
- Phaeochromocytoma							
2.6 Acute renal failure							
2.7 Acute poisoning							
2.8 Coma							

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Pre-Hospital Medical Emergency				COURSE CODE: PMT 215		Contact Hours/Week: 2hrs/week
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 3.0 Recognize common Medical Emergencies						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Acute Myocardial Infarction - Definition - Characteristics, symptoms, sign - Investigation. 3.2 Acute Pulmonary Oedema - Features - Treatment 3.3 Acute Coronary Syndrome - STEMI, AMI - Immediate General Treatment 3.4 Cardiogenic shock - Definition - Features - Treatment 3.5 Acute Severe Asthma - Definition - Features - Treatment 3.6 Acute Exacerbation of COPD	- Lecture - Discussion - Assignment	-White board/marker - Posters/charts - Projector -Textbooks/ journals				- Assignment - Quiz - Test - Examination

PROGRAMME: National Diploma in Paramedics Technology**COURSE: Introduction to Pre-Hospital Psychiatric Emergency****COURSE CODE: PMT 217****DURATION: (Hours/Week) Lecture: 1hr****Tutorial -****Practical: 1hr****Total: 2hrs****UNITS: 2 CU****GOAL:** This course is designed to introduce the students to the study and management of common disorders of mental function that could present emergently in the community.**GENERAL OBJECTIVES:** On completion of this course, the students will be able to:

- 1.0 Know the classification of psychiatric disorders, the essentials of the psychiatry history and mental state examination.
- 2.0 Know the common pre-hospital psychiatric emergencies.
- 3.0 Understand the clinical features and emergency treatment of the common psychiatric disorders.

PROGRAMME: National Diploma in Paramedics Technology**COURSE: Introduction to Pre-Hospital Psychiatric Emergency****COURSE CODE: PMT 217****Contact Hours/Week: 2hrs/week****GENERAL OBJECTIVE:** 1.0 Know the classification of psychiatric disorders, the essentials of the psychiatry history and mental state examination.

SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define Psychiatry, Psychological Medicine, Prevalence of Psychiatric disorders. 1.2 Classification of Psychiatric disorders. 1.3 The Psychiatry History, the Mental State Examination.	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/journals				- Assignment - Quiz - Test - Examination

PROGRAMME: National Diploma in Paramedics Technology				
COURSE: Introduction to Pre-Hospital Psychiatric Emergency			COURSE CODE: PMT 217	Contact Hours/Week: 2hrs/week
COURSE SPECIFICATION: Theory/Practical				
GENERAL OBJECTIVE: 2.0 Know the common pre-hospital psychiatric emergencies.				
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES
2.1 Severe depression with suicidal intention. 2.2 Mania 2.3 Acute psychotic episodes. 2.4 Intoxication with drugs of abuse. 2.5 Delirium. 2.6 Suicidal attempt and deliberate self harm. 2.7 Alcohol-induced delirium tremens. 2.8 Panic disorder	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/journals		
				- Assignment - Quiz - Test - Examination

PROGRAMME: National Diploma in Paramedics Technology				
COURSE: Introduction to Pre-Hospital Psychiatric Emergency			COURSE CODE: PMT 217	Contact Hours/Week: 2hrs/week
COURSE SPECIFICATION: Theory/Practical				
GENERAL OBJECTIVE: 3.0 Understand the clinical features and emergency treatment of the common psychiatric disorders.				
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES
3.1 Define Severe Depression - Features, differential diagnosis - Treatment 3.2 Define Mania - Clinical features - Treatment of acute mania. 3.3 Acute psychotic episodes. - Clinical features	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/journals		
				- Assignment - Quiz - Test - Examination

- Treatment 3.4 Intoxication with drugs of abuse - Stimulants e.g cocaine - Narcotics e.g heroin, morphine - Hallucinogens e.g cannabis - Tranquilizers – benzodiazepines - Treatment 3.5 Define Delirium - Common causes - Treatment 3.6 Suicidal attempt and deliberate self harm - Guidelines for the assessment of patients who harm themselves. 3.7 Alcohol-induced delirium tremens - Features, complications - Treatment 3.8 Panic disorder - Definition, Aetiology - Treatment						
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PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Infection control			
CODE: PMT 218			
DURATION: (Hours/week) Lecture: 2hrs	Tutorial -	Practical: 1hr	Total: 3hrs (45hrs)
UNITS: 3 CU			
GOAL: This course is designed to provide the students with the knowledge of infection types, causes and control.			
GENERAL OBJECTIVES: On completion of the course, the student will be able to:			
1.0 Know types of agents that cause infections			
2.0 Know the source and mode of infection			
3.0 Understand body response to infection			
4.0 Know the principle of infection control			
5.0 Know universal precautions			

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Infection Control			COURSE CODE: PMT 218		Contact Hours/Week: 3hours/ Week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.0 Know types of agents that cause infections						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define infection and infective agents	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals	1.1 Use microscope to identify in 1.3 and 1.5	Demonstration of use of microscope	Slides Microscope Projector	Assignment Questionnaire Quiz Test Examination
1.2 State types communicable and non-communicable diseases						
1.3 List types of infective agents- bacteria, fungus, virus						
1.4 Classify bacterial infection						
1.5 Classify viral infection						
1.6 Classify fungal infection						

PROGRAMME: National Diploma in Paramedical Technology						
COURSE: Infection Control			COURSE CODE: PMT 218			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 2.0 Know the sources and mode of transmission of infection						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Explain the terms; sources and mode of transmission of infection	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Questionnaire -Quiz -Test -Examination
2.2 List sources of infection						
2.3 Enumerate the mode of transmission of infection						
2.4 Describe how an infective agent can cause infection to man						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Infection Control			COURSE CODE: PMT 218			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 3.0 Understand body response to infection						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Explain the physiological changes in infection	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Questionnaire -Quiz -Test -Examination
3.2 Explain the body's metabolic and immunologic response to infection						
3.3 Outline the symptoms and signs of infection in man						

PROGRAMME: National Diploma in Paramedics Technology					Contact Hours/Week: 3hours/ Week	
COURSE: Infection Control			COURSE CODE: PMT 218			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 4.0 Understand the principles of infection control						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Define infection control 4.2 Outline the principles of infection control 4.3 Describe each principle outlined in 4.2 above 4.4 Explain the following terms: -disinfection, -sterilization -immunization -vaccination -prophylaxis	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Questionnaire -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 218		Contact Hours/Week: 3hours/ Week
COURSE: Infection Control							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 5.0 Know universal precautions							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
5.1 Define universal precaution in infection prevention	-Lecture	-White board/ marker	5.6 Demonstrate the use of the Personal Protective Equipment	- Demonstrate and assist students to use Personal Protective Equipment kit	-Personal protective equipment kits with the followings: boots, caps, apron, gloves, goggles, face masks	-Assignment -Questionnaire -Quiz -Test -Examination	
5.2 Outline the component of universal precaution	-Discussion	-Posters/Charts					
5.3 Explain each type outlined in 5.2	-Assignment	-Projector					
5.4 List the components of personal protective equipment	- Sample of universal precaution chart	-Textbooks/ Journals					
5.5 Explain post-exposure prophylaxis	-clips and films of universal precaution						

PROGRAMME: National Diploma in Paramedical Technology					Contact Hours/Week: 2hours/ Week	
COURSE: Research Methodology			COURSE CODE: GNS 228			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 2.0 Know how to use a library.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Explain classification. 2.2 Explain the different types of classification scheme (DDC and LC). 2.3 Identify reference sources] 2.4 Identify types of serials. p 2.5 Explain indexing and abstracting. 2.6 Describe the use of card catalogues. 2.7 Explain back of book indexes. 2.8 Describe how the library is used in research.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals	5.1	-		-Assignment -Questionnaire -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedical Technology					Contact Hours/Week: 2hours/ Week	
COURSE: Research Methodology			COURSE CODE: GNS 228			
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 3.0 Know what a research is and how to carry it out						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Define the following terms: Research, scientific method, theory, hypotheses 3.2 Describe various types of research e.g. descriptive, exploratory, casual, experimental and comparative. 3.3 Explain the stages of a research - Formulation of a research problem - Hypothesis - justification of the research - Data collection and analysis - Findings etc.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals	5.2	-		-Assignment -Questionnaire -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology					
COURSE: Research Methodology			COURSE CODE: GNS 228		Contact Hours/Week: 2hours/ Week
COURSE SPECIFICATION : Theory/Practical					
GENERAL OBJECTIVE: 4.0 Understand basic principles of probability					
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES
4.1 Define random variable 4.2 Explain the concept of randomness 4.3 Define probability 4.4 State the laws of probability 4.5 Define conditional probability 4.6 Solve simple problems involving the laws of probability as they relate to their disciplines.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals		-	-Assignment -Questionnaire -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology					
COURSE: Research Methodology			COURSE CODE: GNS 228		
COURSE SPECIFICATION : Theory/Practical			Contact Hours/Week: 2 hours/ Week		
GENERAL OBJECTIVE: 5.0 Understand the use and importance of some measures of central tendency and measures of dispersion in summarising data					
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES
5.1 Define arithmetic mean, geometric mean, median mode and harmonic mean.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals			
5.2 Compute the measures in 5.1 above given: (a) ungrouped data (b) grouped data ,					
5.3 Explain the uses of geometric and harmonic mean					
5.4 Calculate the following, given a set of data: (a) quartiles (b) decile (c)percentiles					
5.5 List the merits and demerits of the above measures of central tendency					
5.6 Define measures of dispersion					
5.7 State the importance of the measures of dispersion					

5.8 Calculate (a) The mean deviation (b) Semi Interquartile range (c) Variance and standard deviation						
5.9 Explain the application of the measures of deviation defined in 5.6 above						
5.10 Calculate the measures of the dispersion listed in 5.8 given sets of data in their disciplines.						

PROGRAMME: National Diploma in Paramedical Technology						COURSE CODE: GNS 228		Contact Hours/Week: 2hours/ Week	
COURSE: Research Methodology									
COURSE SPECIFICATION : Theory/Practical									
GENERAL OBJECTIVE: 6.0 Know the methodology applied in research									
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION			
6.1 Define sampling - 6.2 Explain the two major types of sampling (a) probability sampling e.g. random, systematic, stratified and clusters (b) non-probability sampling, e.g. accidental, quotas and purposive. 6.3 Explain the uses of sampling in their disciplines 6.4 State the advantages and disadvantages of 6.2 (a) and 6.2 (b) above.	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals		-		-Assignment -Questionnaire -Quiz -Test -Examination			

PROGRAMME: National Diploma in Paramedics Technology			COURSE CODE: GNS 228		Contact Hours/Week: 2hours/ Week	
COURSE: Research Methodology						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 7.0 Know the various methods of data collection						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
7.1 Define data . 7.2 State the types of data: (a) primary, and (b) secondary data 7.3 Explain the methods of collecting data e.g. observation, questionnaire, interview 7.4 Describe how to design questionnaires for research in their disciplines 7.5 Explain how to administer questionnaires and interview. 7.6 Design sample questionnaires for research in their disciplines 7.7 Administer the questionnaires in 7.6 above	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals		-		-Assignment -Questionnaire -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: GNS 228		Contact Hours/Week: 2hours/ Week
COURSE: Research Methodology							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 8.0 Know the various methods of processing data							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
8.1 Explain organization of data. 8.2 Explain the grouping of data I 8.3 Explain tabulation of data 8.4 Analyse the data result obtained in 7.6 above 8.5 Present the result of the analysis in 8.4 above	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals		-		-Assignment -Questionnaire -Quiz -Test -Examination	

PROGRAMME: National Diploma in Paramedical Technology				COURSE CODE: GNS 228		Contact Hours/Week: 2hours/ Week
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: Understand the presentation of research report.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
9.1 Explain the general format of a research report - Preliminaries e.g. preface and foreword - Approval page 1 - Title page - Dedication - Acknowledgement - Table of contents - List of illustrations e.g. maps/pictures, diagrams, figures and tables - Introduction - Aims and Objectives - Limitations and Delineations - Main text - Conclusions and Recommendations The Appendix - Glossary - Bibliography/References 9.2 Explain the use of footnotes references and bibliography 1 9.3 Outline the use of abbreviations in citation	-Lecture -Discussion -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals		-		-Assignment -Questionnaire -Quiz -Test -Examination

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Practice of Entrepreneurship			
COURSE CODE: BAM 216			
DURATION: (Hours/week) Lecture: 1hr		Tutorial -	Practical: 2hrs
UNITS: 2 CU		Total: 3hrs (60hrs)	
GOAL: This course is designed to equip the student with necessary entrepreneurial skills for self-employment of management.			
GENERAL OBJECTIVES: On completion of the course, the student will be able to			
1.0	Understand the roles of entrepreneurship in the development of the Economy		
2.0	Know the levels of aspiration, perseverance and personal efficacy of an entrepreneur.		
3.0	Understand the various existing industry and support agencies in Nigeria.		
4.0	Know the functions of Management and the roles of a manager in an enterprise.		
5.0	Understand the strategies for consolidation and expansion of business enterprises.		
6.0	Understand the practical aspect of running a business.		

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: BAM 216		Contact Hours/Week: 3hours/ Week	
COURSE: Practice of Entrepreneurship							
COURSE SPECIFICATION : Theory							
GENERAL OBJECTIVE: 1.0 Understand the roles of entrepreneurship in the development of the economy.							
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Explain the philosophy, values, scope, need and characteristics of entrepreneurship. 1.2 Explain the profiles of local entrepreneurs. 1.3 Identify dangers of over reliance on wage/employment. 1.4 Evaluate the advantages of self employment in an Environment		• Explain entrepreneurship, its features and profiles of local entrepreneurs. • Explain the advantages of self-employment and the consequence of over reliance on wage employment.	Textbooks	Explain the profiles of local entrepreneurs. Identify dangers of over reliance on wage/employment. Evaluate the advantages of self employment in an environment	Guidance on the location and development of local industry and commerce. Identify local entrepreneurs and examples of successful self employment. Establish groups of three or four students to survey and interview entrepreneurs or self employed persons.	Guest speakers Internet and relevant websites	

PROGRAMME: National Diploma in Paramedical Technology			COURSE CODE: BAM 216		Contact Hours/Week: 3 hours/ Week	
COURSE: Practice of Entrepreneurship						
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 2.0 Know the levels of aspiration, perseverance and personal efficacy of an entrepreneur						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Demonstrate high sense of innovation, creativity and independence. 2.2 Explain the process of acquiring high sense of information seeking and ability in operating enterprise. 2.3 Identify various risks and remedies involved in operating an enterprise. 2.4 Evaluate pilot projects considering resource, time, personnel, equipment, money, materials, etc. 2.5 Demonstrate leadership and leadership skills by mobilizing	- Explain the aspiration, determination and efficiency of an entrepreneur. - Guide students to evaluate	Textbooks	Evaluate a project considering its resources; management of time, personnel, equipment and money. Explain contribution to economic development. Explain constraints and problems solving techniques.	Guide student to visit a successful enterprise and evaluate its resources; time, personnel, equipment, and financial management, to identify its contribution to the economy, its internal and external constraints on the available problem solving techniques.	An enterprise Text books Internet and relevant websites Internet and relevant websites	

PROGRAMME: National Diploma in Paramedics Technology				Contact Hours/Week: 3 hours/ Week		
COURSE: Practice of Entrepreneurship				COURSE CODE: BAM 216		
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 3.0 Understand the various existing industries and support agencies in Nigeria						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Explain industry/support Agencies 3.2 Explain the nature, types of materials used in both manufacturing and service industries. 3.3 Explain the types and sources of plants and machinery used in small scale industries. 3.4 Explain the various information and assistance for vital areas like finance, registration, project selection, training, marketing, research, quality control, raw materials,	Explain industry and support agencies. Explain the nature, types and sources of materials, machineries and information inputs used in small scale industry. Guide students to identify business opportunities using SWOT analysis. Lead students to conduct market survey to enable them select the most	1) Textbooks 2) Visitation	Explain the types and sources of plants and machinery used in small scale industries (SMLs), nature and types of materials input and information to market and financial assistance. Explain business opportunities (SWOT Analysis). Conduct a market survey - demand and supply	Guide students to visit websites to identify types and sources of machinery and plants, materials inputs for SMLs, information and assistance for finance, market etc. Guide student to identify business opportunities using SWOT analysis. Guide students to conduct market survey to enable them select the most viable business venture. Invite a successful entrepreneur to give a talk.	Computer and accessories with Internet Connection Entrepreneur. Text book	

PROGRAMME: National Diploma in Paramedics Technology			COURSE CODE: BAM 216		Contact Hours/Week: 3hours/ Week	
COURSE: Practice of Entrepreneurship						
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 4.0 Know the functions of management and the roles of a manager in an enterprise.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Explain the functions of management and a manager.	• Explain the functions, techniques and skill of management.	1) Textbooks	Explain appropriate organization for a small scale enterprise.	Guide student to draw an organogram to suite the selected business venture	Black board and Cardboard	
4.2 Design an appropriate management structure for an enterprise, as in 3.8 above.	• Draw a Management structure to suite the viable project selected in 3.8 above.	2) Specimen of record	Explain computer net-working and communication process in the management of an enterprise.	Demonstrate the techniques and skills of communication process in the management of the selected business venture, using computer net working of not less than 3 computers.	Minimum of 3 sets of Computers with Business scheduling Staff & Staff tracking, etc. and explain their importance to sustainable business venture.	
4.3 Explain the communication process in the management of an enterprise.	• Explain the techniques of the functional areas of management.		Explain the technique and skills of Business Planning, Positioning staff controlling etc.			
4.4 Explain the techniques and skills of: i. Planning ii. Organizing iii. Staffing iv. Leading v. Controlling	• Explain the principles of record keeping , auditing and taxation. • Conduct test.		and then importance to sustainable business venture.			
4.5 Explain the techniques of marketing, production and financial management in an enterprise.						
4.6 Explain the principles of record keeping, auditing and taxation.				Demonstrate, using appropriate application packages, techniques and skills of: Business planning Business positioning		

PROGRAMME: National Diploma in Paramedical Technology				COURSE CODE: BAM 216		Contact Hours/Week: 3hours/ Week
COURSE: Practice of Entrepreneurship						
COURSE SPECIFICATION : Theory						
GENERAL OBJECTIVE: 6.0 Understand the practical aspects of running a business						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
6.1 Identify a suitable industrial firm and undertake a practical attachment for two weeks.	• Organize and prepare students towards 2 week attachment during the first semester holidays.		Identify a suitable industry and under take a practical attachment for 4 weeks.	Organise and prepare students towards four (4) week attachment during the 3rd semester holidays.	• Local Industry • Computer and accessories • Lotus 123 • Dbase • Spreadsheet	
6.2 Prepare a modest report regarding the experience and gains of the industrial attachment.			Prepare a modest report regarding the experience and gains of industrial attachment.	Guide student to prepare a report on the experience of his industrial attachment using computer and appropriate application packages.		
6.3 Prepare a detailed business plan indicating clearly the background of the project, the marketing analysis and the financial assessment of the proposed enterprise.						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Project Writing			COURSE CODE: PMT 221		Contact Hours/Week: 7hours/ Week	
COURSE SPECIFICATION : Practical						
GENERAL OBJECTIVE: 2.0 Collect data on the chosen topic.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
			2.1 Collect data on the chosen topic from available sources.	Provide guidance in collecting data.	Textbooks Lecture Notes Internet	Practical

PROGRAMME: National Diploma in Paramedics Technology							
COURSE: Project Writing			COURSE CODE: PMT 221		Contact Hours/Week: 7hours/ Week		
COURSE SPECIFICATION : Practical							
GENERAL OBJECTIVE: 3.0 Produce a report on the chosen topic.							
SPECIFIC LEARNING OBJECTIVES (THEORY)		TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
				3.1 Produce a report on the chosen topic.	Provide guidance in writing report.	Textbooks Lecture Notes Internet	Practical

PROGRAMME: National Diploma in Paramedics Technology**COURSE: Introduction to Electrocardiography (ECG)****CODE: PMT 222****DURATION: (Hours/Week) Lecture: 2hr****Practical: 1hr****Total: 3hrs****UNITS: 3 CU****GOAL:** This course is designed to enable the students to understand that ECG is a tool that provides evidence to support a diagnosis and in some cases crucial for patient management.**GENERAL OBJECTIVES:** On completion of this course, the students will be able to:

- 1.0 Understand what the ECG is about.
- 2.0 Know the conduction system and its problems.
- 3.0 Recognize the rhythm of the heart.
- 4.0 Abnormalities of the QRS complexes and T waves
- 5.0 How to use the ECG in healthy patients.

PROGRAMME: National Diploma in Paramedics Technology**COURSE: Introduction to Electrocardiography (ECG)****COURSE CODE: PMT 222****Contact Hours/Week: 3hrs/week****COURSE SPECIFICATION: Theory/Practical****GENERAL OBJECTIVE: 1.0 Understand what the ECG is about.**

SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 What to expect from the ECG. 1.2 The electrical activity of the heart - the wiring pattern of the heart. 1.3 The different parts of the ECG. 1.4 The ECG - electrical pictures. 1.5 Making a recording. 1.6 How to report an ECG.	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/journals				- Assignment - Quiz - Test - Examination

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Electrocardiography (ECG)			COURSE CODE: PMT 222		Contact Hours/Week: 3hrs/week	
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 2.0 Know the conduction system and its problems.						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S - ACTIVITIES	RESOURCES	EVALUATION
2.1 Outline conduction problems in the AV node and His bundle (1 st degree, 2 nd degree, 3 rd degree heart block)	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector -Textbooks/ journals				- Assignment - Quiz - Test - Examination
2.2 Conduction problems in the left bundle branch (LBB)						
2.3 Conduction problems in the distal parts of the LBB.						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Electrocardiography (ECG)			COURSE CODE: PMT 222		Contact Hours/Week: 3hrs/week	
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 3.0 Recognize the rhythm of the heart						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Intrinsic rhythm of the heart.	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/journals				- Assignment - Quiz - Test - Examination
3.2 Abnormal rhythm (AV nodal/junctional/Ventricular)						
3.3 The bradycardias						
3.4 The Tachycardias						
3.5 Fibrillation waves.						

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 222		Contact Hours/Week : 3hrs/week
COURSE: Introduction to Electrocardiography (ECG)							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 4.0 Abnormalities of the QRS complexes and T waves							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
4.1 Ab-normalities of the P wave 4.2 Ab-normalities of the QRS complex 4.3 Ab-normalities of the ST segment 4.4 Ab-normalities of the T wave	- Lecture - Discussion - Assignment	-White board/marker - Posters/charts - Projector -Textbooks/journals				- Assignment - Quiz - Test - Examination	

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 222		Contact Hours/Week: 3hrs/week
COURSE: Introduction to Electrocardiography (ECG)							
COURSE SPECIFICATION: Theory/Practical							
GENERAL OBJECTIVE: 5.0 How to use the ECG							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
5.1 The ECG in healthy patients 5.2 The ECG in patients with palpitation 5.3 The ECG in patients with chest pain 5.4 The ECG in patients with breathlessness.	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/journals				- Assignment - Quiz - Test - Examination	

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction to Advanced Cardiac Life Support (ACLS)			
CODE: PMT 223			
DURATION: (Hours/Week) Lecture: 1hr		Tutorial -	Practical: 2hrs
UNITS: 3 CU		Total: 3hrs	
GOAL: This course is designed to enable the students acquire a good understanding of the pathophysiological basis of cardiopulmonary arrest and provide aptitude for prompt recognition, diagnosis and intervention.			
GENERAL OBJECTIVES: On completion of this course, the students will be able to:			
1.0 Understand the concepts of advanced cardiac life support.			
2.0 Understand the concepts of sudden cardiac death.			
3.0 Know the techniques for defibrillation.			
4.0 Understand basic airway management.			
5.0 Know the concept of cardiac monitoring and rhythm recognition.			
6.0 Understand the resuscitation in Acute Coronary Syndrome.			

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Advanced Cardiac Life Support (ACLS)			COURSE CODE: PMT 223		Contact Hours/Week: 3hrs/week	
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 1.0 Understand the concepts of advanced cardiac life support						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define advanced cardiac life support (ACLS)	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/ Journals/ Manual/ Accompanying Students CD				- Assignment - Quiz - Test - Examination
1.2 Introduction to ACLS	- Benefit - Team leader - Team resuscitation - Science behind the guidelines.					

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Advanced Cardiac Life Support (ACLS)			COURSE CODE: PMT 223		Contact Hours/Week : 3hrs/week	
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE : 2.0 Understand the concept of sudden cardiac death						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
2.1 Who dies suddenly? - Definition of sudden cardiac death, cardiac arrest.	- Lecture - Discussion - Assignment	-White board/marker - Posters/charts - Projector -Textbooks/ Journals/ Manual/ Accompanying Students CD				- Assignment - Quiz - Test - Examination
2.2 Aetiology of sudden death						
2.3 The chain of survival						
- Links in the ECC chain of survival: early access to EMS, early CPR, early defibrillation, and early ACLS.						
- Strengthening the links in the chain of survival						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Advanced Cardiac Life Support (ACLS)			COURSE CODE: PMT 223		Contact Hours/Week: 3hrs/week	
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 3.0 Defibrillation						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Principles of Defibrillation 3.2 Automated External Defibrillators 3.3 Manual Defibrillators.	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector -Textbooks/ Journals/ Manual/ Accompanying Students CD				- Assignment - Quiz - Test - Examination

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Advanced Cardiac Life Support (ACLS)			COURSE CODE: PMT 223		Contact Hours/Week: 3hrs/week	
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 4.0 Basic Airway Management						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 Integration of CPR with ventilation, airway and circulatory adjuncts. 4.2 Oxygenation and ventilation 4.3 Administration of oxygen 4.4 Integration of CPR and advanced airways.	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/ Journals/ Manual/ Accompanying Students CD				- Assignment - Quiz - Test - Examination

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Advanced Cardiac Life Support (ACLS)			COURSE CODE: PMT 223		Contact Hours/Week: 3hrs/week	
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 5.0 Cardiac Monitoring and Rhythmic Recognition						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
5.1 Pulseless Arrest: Ventricular fibrillation /Ventricular Tachycardia (VF/VT)	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector -Textbooks/ Journals/ Manual/ Accompanying Students CD				- Assignment - Quiz - Test - Examination
5.2 Pulseless Arrest: Asystole/ Pulseless Electrical Activity						
5.3 Bradycardia						
5.4 Stable Tachycardia and premature contractions.						

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction to Advanced Cardiac Life Support (ACLS)				COURSE CODE: PMT 223		Contact Hours/Week: 3hrs/week
COURSE SPECIFICATION: Theory/Practical						
GENERAL OBJECTIVE: 6.0 Acute Coronary Syndrome						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
6.1 ST Segment Elevation Myocardial Infarction (STEMI)	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector -Textbooks/ Journals/ Manual/ Accompanying Students CD				- Assignment - Quiz - Test - Examination
6.2 Non-ST Segment Elevation Myo- cardial Infarction (NSTEMI)						
6.3 Unstable Angina						

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction To Mass Casualty			
CODE: PMT 225	Tutorial	Practical: 1	Total: 3hrs/wk
DURATION: (Hours/week) Lecture: 2			
UNITS: 3 CU			
GOAL: The course is designed to teach the student the emergency response to a mass casualty situation			
GENERAL OBJECTIVES:			
1. Define mass casualty and related terms 2. List the causes of mass casualty 3. Describe the management of mass casualty in the field and in the hospital 4. Describe the roles of the different agencies involved in mass casualty response 5. Define triage and list the different triage codes			

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Introduction To Mass Casualty		COURSE CODE: PMT 225	Contact Hours/Week: 3hrs/wk
COURSE SPECIFICATION : Theory/Practical			
GENERAL OBJECTIVE: 1.0 Define mass casualty and related terms	RESOURCES	TEACHER'S ACTIVITIES	EVALUATION
SPECIFIC LEARNING OBJECTIVES (THEORY)	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES
1.1 Define the terms mass casualty, multiple casualty, disaster 1.2 List the different causes of mass casualty – natural, man-made	-White board/marker - Posters/charts - Projector -Textbooks/ Journals/ Manual/ Accompanying Students CD	- Assignment - Quiz - Test - Examination	

PROGRAMME: National Diploma in Paramedics Technology					
COURSE: Introduction To Mass Casualty			COURSE CODE: PMT 225		
COURSE SPECIFICATION : Theory/Practical			Contact Hours/Week: 3hrs/wk		
GENERAL OBJECTIVE: 2.0 List the causes of mass casualty					
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES
2.1 Classify the different causes of mass casualty	- Lecture	-White board/marker			- Assignment
2.2 Define natural disasters and give examples	- Discussion	- Posters/charts			- Quiz
2.3 Define man-made disasters and give examples	- Assignment	- Projector			- Test
2.4 Describe non conventional causes and give examples		-Textbooks/ Journals/ Manual/ Accompanying Students CD			- Examination

PROGRAMME: National Diploma in Paramedics Technology						
COURSE: Introduction To Mass Casualty			COURSE CODE: PMT 225			
COURSE SPECIFICATION : Theory/Practical			Contact Hours/Week: 3hrs/wk			
1. GENERAL OBJECTIVE: 3.0 Describe the management of mass casualty in the field and in the hospital						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
3.1 Describe the scene management of mass casualty	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/ Journals/ Manual/ Accompanying Students CD				- Assignment - Quiz - Test - Examination
3.2 Describe the terms incident command, local, regional and national disaster response.						
3.3 Describe field triage and outline the priorities for transport/evacuation						
3.4 Describe field trauma care, basic life support and advanced life support						

PROGRAMME: National Diploma in Paramedics Technology				COURSE CODE: PMT 225		Contact Hours/Week: 3hrs/wk
COURSE: Introduction To Mass Casualty						
COURSE SPECIFICATION : Theory/Practical						
1. GENERAL OBJECTIVE: 4.0 Describe the roles of the different agencies involved in mass casualty response						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
4.1 To know the different agencies to be notified in a mass casualty situation.	- Lecture - Discussion - Assignment	- White board/marker - Posters/charts - Projector - Textbooks/ Journals/ Manual/ Accompanying Students CD				- Assignment - Quiz - Test - Examination
4.2 Describe the roles of each agency in disaster response						
4.3 Describe the coordination of the activities of the different agencies						
4.4 Describe the roles of call centre coordination, dispatch and communication in mass casualty						

PROGRAMME: National Diploma in Paramedics Technology					COURSE CODE: PMT 225		Contact Hours/Week: 3hrs/wk
COURSE: Introduction To Mass Casualty							
COURSE SPECIFICATION : Theory/Practical							
GENERAL OBJECTIVE: 5.0 Define triage and list the different triage codes							
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION	
1.1 Outline the principles of triage 1.2 Describe triage sieve and triage sort 1.3 Describe the different triage codes	- Lecture - Discussion - Assignment	-White board/marker - Posters/charts - Projector -Textbooks/ Journals/ Manual/ Accompanying Students CD				- Assignment - Quiz - Test - Examination	

PROGRAMME: National Diploma in Paramedics Technology			
COURSE: Burns management			
CODE: PMT 226			
DURATION: (11hrs/week) Lecture: 2hrs		Tutorial -	Practical: 1hr
UNITS: 3CU		Total: 3hrs (45hrs)	
GOAL: The course is designed to introduce the student to Burns management			
GENERAL OBJECTIVES: On completion of this course, the students will be able to:			
1.0 Define burns and know the different agents that can cause burns			
2.0 Estimate the extent of burns			
3.0 Know the basic principles of burns wound management			

PROGRAMME: National Diploma in Paramedics Technology			COURSE CODE: PMT 226		Contact Hours/Week: 3hrs/week	
COURSE: Burns management						
COURSE SPECIFICATION : Theory/Practical						
GENERAL OBJECTIVE: 1.0 Define burns and Know the different agents that can cause burns						
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	RESOURCES	EVALUATION
1.1 Define burns (A burn is coagulative necrosis of the skin, sometimes including deeper tissues)	-Lectures -Discussions -Assignment	White board/ marker -Posters/Charts -Projector -Textbooks/ Journals				-Assignment -Test
1.2 List the various agents that can cause burns: dry heat, electricity, chemicals, irradiation						
1.3 Classify burns A) Partial thickness burns i. Superficial partial thickness ii. Deep partial thickness B) Full thickness (Deep burns, third degree)						

PROGRAMME: National Diploma in Paramedical Technology					
COURSE: Burns Management					
COURSE SPECIFICATION : Theory/Practical				COURSE CODE: PMT 226	Contact Hours/Week: 3hrs (45hrs)
GENERAL OBJECTIVE: 2.0 Estimate the extent of burns					
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	EVALUATION
2.1 Describe the Wallace rule of nines	-Lectures -Discussions -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals	2.4 Demonstrate the use of Lund and Browder charts to estimate burns in children and infants	Assist students in using charts to assess burn surface area	-Assignment -Test
2.2 Classify burns into minor and major using estimated surface area burns i.e. superficial burns of 15% body surface area or above in adults or 10% in children is a major burn injury					
2.3 Describe peculiarities of burns in special areas i.e. face, hands, flexion creases, perineum					

PROGRAMME: National Diploma in Paramedical Technology					
COURSE: Burns management					
COURSE SPECIFICATION : Theory/Practical				COURSE CODE: PMT 226	Contact Hours/Week: 3hrs (45hrs)
GENERAL OBJECTIVE: 3.0 Know the basic principles of burns wound management					
SPECIFIC LEARNING OBJECTIVES (THEORY)	TEACHER'S ACTIVITIES	RESOURCES	SPECIFIC LEARNING OBJECTIVES (PRACTICAL)	TEACHER'S ACTIVITIES	EVALUATION
1.1 Describe the first aid measures for a burn wound	-Lectures -Discussions -Assignment	-White board/ marker -Posters/Charts -Projector -Textbooks/ Journals			-Assignment -Test
1.2 Describe the clinical assessment of a burns patient					
1.3 Describe fluid resuscitation of the burns patient					
1.4 Describe basic wound care and dressing of burn wound					
1.5 List major complications of burns (Shock, Infection, Curlings ulcer, Contractures etc.)					

TRAINING MODULE

EMERGENCY ROOM POSTING (PRACTICAL COURSE)

ASSESSMENT OF CASUALTY

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

INTRAVENOUS ACCESS

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

INTRAVENOUS NEEDLE ACCESS

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

VENEPUNCTURE

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

NASOGASTRIC INTUBATION

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

URETHRAL CATHETERIZATION

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

DOCUMENTATION

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

NEBULIZATION

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

OXYGEN APPLICATION NASAL PRONGS / FACE MASK

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

AMBU BAG/BAG-VALVE-MASK

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

TRAUMA ROOM POSTING (PRACTICAL COURSE)

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

ASSESSMENT OF GCS ADULT

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

ASSESSMENT OF GCS PAEDIATRIC

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

ASSESSMENT OF BURNS PATIENTS (WALLACE/LUND AND BROWDER CHARTS)

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

APPLICATION AND REMOVAL OF CERVICAL COLLARS

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

MODIFIED LOG ROLL

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

ENDOTRACHEAL INTUBATION

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

NASOTRACHEAL INTUBATION

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

APPLICATION OF PULSE OXIMETERS

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

SUCTIONING

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

APPLICATION OF AIRWAYS

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

USE OF SPINE BOARDS

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

USE OF PAT SLIDES

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

THE FUNCTIONS OF THE TRAUMA TEAM

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

MASS CASUALTY					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

VENOUS CUTDOWN					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

BLOOD TRANSFUSION					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

CHEST TUBE INSERTION					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

SUTURING TECHNIQUES

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

POP APPLICATION

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

APPLICATION OF SPLINTS

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

ANAESTHESIA POSTING (PRACTICAL COURSE)

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

VENTILLATOR MODES (CPAP, PEEP, SIMV ETC)

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

ENDOTRACHEAL INTUBATION

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

BAG-VALVE-MASK

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

LARYNGEAL MASK AIRWAY

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

GUEDEL'S AIRWAY

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

NASOTRACHEAL INTUBATION

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

INTRAVENOUS ACCESS

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

CENTRAL VENOUS LINES

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

ARTERIAL PUNCTURE					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

SUCTIONING					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

PRIMARY SURVEY AND INTERVENTION

S/NO	DISTRESS CALL	ACTION	NAME OF SUPERVISOR	REMARKS	SIGN/DATE

EXTRICATION TECHNIQUES

S/NO	DISTRESS CALL	ACTION	NAME OF SUPERVISOR	REMARKS	SIGN/DATE

SECONDARY SURVEY AND INTERVENTION

S/NO	DISTRESS CALL	ACTION	NAME OF SUPERVISOR	REMARKS	SIGN/DATE

COMMUNICATIONS

S/NO	DISTRESS CALL	ACTION	NAME OF SUPERVISOR	REMARKS	SIGN/DATE

DOCUMENTATION

S/NO	DISTRESS CALL	ACTION	NAME OF SUPERVISOR	REMARKS	SIGN/DATE

SCENE MANAGEMENT IN MASS CASUALTY

S/NO	DISTRESS CALL	ACTION	NAME OF SUPERVISOR	REMARKS	SIGN/DATE

LOADING OF VICTIMS

S/NO	DISTRESS CALL	ACTION	NAME OF SUPERVISOR	REMARKS	SIGN/DATE

EVACUATION OF VICTIMS

S/NO	DISTRESS CALL	ACTION	NAME OF SUPERVISOR	REMARKS	SIGN/DATE

PARAMEDIC SCENE POSTING ASSESMENT FORM

Name of Student: _____

Matriculation Number: _____

Location: _____

	Excellent	V.Good	Good	Poor
Punctuality				
Cognition (Knowledge base)				
History Taking				
Physical Examination				
Patient Care				
Team Play				
Adherence to Instruction/Protocols				
Neatness/Dressing				
Hand-on-skills				

OVERALL ASSESMENT _____

REMARKS _____

SUPERVISOR

Name and Signature

Guide

Excellent 70%+

V.Good 60 - 69%

Good 50-59%

Poor Below 50%

MANAGER
Name and Signature

PARAMEDIC SCENE POSTING ASSESMENT FORM

Name of Student: _____

Matriculation Number: _____

Location: _____

	Excellent	V.Good	Good	Poor
Punctuality				
Cognition (Knowledge base)				
History Taking				
Physical Examination				
Patient Care				
Team Play				
Adherence to Instruction/Protocols				
Neatness/Dressing				
Hand-on-skills				

OVERALL ASSESMENT _____

REMARKS _____

SUPERVISOR

Name and Signature

Guide

Excellent 70%+

V.Good 60 - 69%

Good 50-59%

Poor Below 50%

MANAGER

Name and Signature

PARAMEDIC SCENE POSTING ASSESMENT FORM

Name of Student: _____

Matriculation Number: _____

Location: _____

	Excellent	V.Good	Good	Poor
Punctuality				
Cognition (Knowledge base)				
History Taking				
Physical Examination				
Patient Care				
Team Play				
Adherence to Instruction/Protocols				
Neatness/Dressing				
Hand-on-skills				

OVERALL ASSESSMENT _____

REMARKS _____

SUPERVISOR

Name and Signature

Guide

Excellent 70%+

V.Good 60 - 69%

Good 50-59%

Poor Below 50%

MANAGER

Name and Signature

PARAMEDIC SCENE POSTING ASSESMENT FORM

Name of Student: _____

Matriculation Number: _____

Location: _____

	Excellent	V.Good	Good	Poor
Punctuality				
Cognition (Knowledge base)				
History Taking				
Physical Examination				
Patient Care				
Team Play				
Adherence to Instruction/Protocols				
Neatness/Dressing				
Hand-on-skills				

OVERALL ASSESSMENT _____

REMARKS _____

SUPERVISOR

Name and Signature

Guide

Excellent 70%+

V.Good 60 - 69%

Good 50-59%

Poor Below 50%

MANAGER
Name and Signature

**CHILDREN EMERGENCY ROOM (CHER)
POSTING (PRACTICAL COURSE)**

PAEDIATRIC AIRWAY MANAGEMENT

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

PAEDIATRIC INTERVENOUS ACCESS

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

ASSESSMENT OF THE CHILD EMERGENCY ROOM

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

MANAGEMENT OF FEBRILE CONVULSION

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

DRUG DOSAGE

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

FLUID MANAGEMENT IN CHILDREN

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

OBSTETRICS/ GYNECOLOGY POSTING (PRACTICAL COURSE)**ASSESSMENT OF THE PREGNANT PATIENT**

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

FETOSCOPY

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

CARDIOTOCOGRAPHY

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

MONITORING OF THE PREGNANT PATIENT

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

TRANSPORTATION OF THE PREGNANT PATIENT					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

COMMON DISEASE IN PREGNANCY					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

ECTOPIC PREGNANCY

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

STAGES OF NORMAL LABOUR

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

THE PARTOGRAPH

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

ANTEPARTUM AND POSTPARTUM HEMORRHAGE

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

PSYCHIATRY POSTING (PRACTICAL COURSE)

APPROACH TO THE PATIENT WITH MENTAL ILLNESS					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

HISTORY TAKING AND THE EVALUATION OF THE PSYCHIATRIC PATIENT					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

ABNORMAL LABOUR					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

DRUGS IN PREGNANCY					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

THE VIOLENT PATIENT

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

THE WITHDRAW-NON COMMUNICATING PATIENT

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

DRUG DEPENDENCE					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

PSYCHOTHERAPY					
S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

BASIC EEG

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE

COMMON DRUGS USED IN PSYCHIATRY

S/NO	NAME OF PATIENT	HOSP. NO.	NAME OF SUPERVISOR	REMARK	SIGN/DATE