

**ADVANCED DIPLOMA IN ACCIDENT EMERGENCY CARE
SCHEME OF EXAMINATION**

| Subject code | Title of the Course | Credit | Hours | Passing Minimum |
|---------------------|-----------------------------------------------------------------------------------------------------|--------|-------|-----------------|
| Semester I | | | | |
| C21AE11 / E21AE01 | Human Anatomy, Physiology and Clinical Biochemistry | 6 | 90 | 40/100 |
| C21AE12 / E21AE02 | Fundamentals of Emergency Care | 6 | 90 | 40/100 |
| C21AE13 / E21AE03 | Basic Pharmacology | 6 | 90 | 40/100 |
| C19CE10 /E19CE10 | Communicative English | 6 | 90 | 40/100 |
| C21AEP1 / E21AEP1 | Practical on Emergency Care procedures | 4 | 120 | 40/100 |
| Semester II | | | | |
| C21AE21 / E21AE04 | Trauma and Orthopedic Emergencies | 6 | 90 | 40/100 |
| C21AE22 / E21AE05 | Circulation, Airway, Breathing, Maternal and Child care emergencies management | 6 | 90 | 40/100 |
| C19LS23 / E19LS05 | Life Skills | 6 | 90 | 40/100 |
| C21AE24 / E21AE06 | Practical: Case studies on Emergency Care | 6 | 90 | 40/100 |
| C21AEP2 / E21AEP2 | Internship Trauma Emergencies & Clinical Management | 4 | 120 | 40/100 |
| Semester III | | | | |
| C21AE31 / E21AE07 | Gastrointestinal, Urological, Hematology, Endocrinology emergencies | 6 | 90 | 40/100 |
| C21AE32 / E21AE08 | Neurological, Respiratory, Environmental, Allergies, Infectious diseases and Toxicology Emergencies | 6 | 90 | 40/100 |
| C21AE33 / E21AE09 | Emergency Ambulance Operations, Disaster Management and EMS Research and Management | 6 | 90 | 40/100 |
| C21AEP3 / E21AEP3 | Cardiovascular Emergencies | 6 | 120 | 40/100 |
| C21AEIP / E21AEIP | Practical on advanced procedures in ambulance and inpatient care | 4 | 150 | 40/100 |

| Semester IV | | | | |
|----------------------|---------------------------------------------------|----|-----|--------|
| C21AE41 / E21AE10 | Geriatric, palliative and psychiatric care | 6 | 90 | 40/100 |
| C21AE42 / E21AE11 | Practical: Practical case studies on Trauma | 6 | 90 | 40/100 |
| C21AE43 / E21AE12 | Practical on patient record and report management | 6 | 90 | 40/100 |
| C21AEP4 / E21AEP4 | Internship in ambulance operations | 4 | 120 | 40/100 |
| C21AEPW / E21AEPW | Internship in Clinical Management | 10 | 150 | 40/100 |

Eligibility for admission: Pass in 12thstd examination conducted by the Govt. of Tamil Nadu Board of Secondary Education, Government of Tamil Nadu or any other equivalent examination.

Examination: Passing Minimum for each Course is 40%. Classification will be done on the basis of percentage marks of the total marks obtained in all the Courses and as given below:

| | |
|-------------------------|----------------|
| 40 % but less than 50 % | - Third class |
| 50 % but less than 60 % | - Second class |
| 60 % and above | - First class |

Theory Paper

Internal Marks-25

External Marks-75

Syllabus

Semester I

Course I - Human Anatomy, Physiology and Clinical Biochemistry
 Course II - Fundamentals of Emergency Care
 Course III - Basic Pharmacology
 Course IV - Communicative English
 Course V - Practical on Emergency Care procedures

Semester II

Course VI - Trauma and Orthopedic Emergencies
 Course VII - Circulation, Airway, Breathing, Maternal and Child care emergencies management

- Course VIII - Life Skills
- Course IX - Practical: Case studies on Emergency Care
- Course X - Internship Trauma Emergencies & Clinical Management

Semester III

- Course XI - Gastrointestinal, Urological, Hematology, Endocrinology Course
- XII - Neurological, Respiratory, Environmental, Allergies, Infectious diseases and Toxicology Emergencies
- Course XIII - Emergency Ambulance Operations, Disaster Management and EMS Research and Management
- Course XIV – Cardiovascular Emergencies
- Course XV - Practical on advanced procedures in ambulance and inpatient care

Semester IV

- Course XVI - Geriatric, palliative and psychiatric care
- Course XVII - Practical: Practical case studies on Trauma
- Course XVIII - Practical on patient record and report management
- Course XIX - Internship in ambulance operations Course
- XX - Internship in Clinical Management

***(Semester Pattern for Community College Only)**

SEMESTER I

COURSE I

(C21AE11 / E21AE01) Human Anatomy, Physiology and Clinical Biochemistry

Unit-I

1. Cell
2. Cardiovascular system
3. Respiratory system

Unit-II

4. GIT,
5. Endocrine system,
6. Genito urinary system,
7. Reproductive system

Unit-III

8. Head neck and face,
9. nervous system

Unit-IV

10. Bones and muscles,
11. Spine and thorax,
12. Skin
13. Basic Principles of Clinical Biochemistry

Unit – V

Practical demonstration of

1. Drawing and Labelling of Cell
2. Cardiovascular system

3. Respiratory system
4. GIT and Endocrine system
5. Genito-urinary system
6. Reproductive system
7. Head neck and face
8. Nervous system
9. Bones and muscles
10. Spine and thorax
11. Skin
12. Familiarization of diagnostic tests

COURSE II
(C21AE12 / E21AE02) Fundamentals of Emergency Care

Unit-I

1. Critical Thinking and Critical Decision Making
2. Cornerstones of effective paramedic practice
3. Range of patient conditions
4. Theory to practical application
5. Taking it to the scene

Unit-II

1. Patient Examination and Examination techniques
2. Vital signs
3. Equipments used in physical examination
4. physical examination of adults, infants and children
5. limits of physical exam

Unit-III

1. Patient History
2. Evaluation of Emergency scene
3. Content of patient history and Technique for history taking
4. Getting a history on sensitive topics
5. Special assessment challenges

Unit – IV

Practical demonstration of

1. Physical Examination – Inspection, Palpation, Percussion and Auscultation,
2. Assessing the head,
3. Examining the eye, ear, neck, chest, musculoskeletal system, peripheral vascular system, spine, nervous system
4. Auscultation of heart sounds, lung sounds, Examining the abdomen,

Unit V

5. Evaluation of deep tendon reflex,
6. Checking Vital signs,
7. Cardiac Monitor Electrode Placement

COURSE III
(C21AE13 / E21AE03)Basic Pharmacology

Unit-I

1. Pharmacology: medication names,
2. Sources of drugs,
3. Drug approval process,
4. General properties of medication

Unit - II

5. Routes of drug administration,
6. Drug forms,
7. Pharmacodynamics,
8. Pharmacokinetics,
9. Drugs by systemic classification,
10. Drug storage

Unit – III

11. Vascular Access and Medication Administration: Fluids and electrolytes, IV fluid composition,
12. IV techniques and administration,
13. External jugular vein cannulation,
14. Intraosseous infusion,

Unit – IV

15. Medication administration,
16. Routes of medication administration,
17. Calculation of drug dose and rate,
18. Medication direction

Unit – IV

Practical demonstration of

19. Intra Venous
20. Intra Muscular
21. Intra Dermal
22. Subcutaneous
23. Oral 24. Rectal

COURSE IV

(C19CE10 / E19CE10) Communicative English

1. Basic Grammar:
 - a. Review of grammar
 - b. Remedial study of grammar
 - c. Simple sentence
 - d. Word passive voice etc.
2. Bubbling Vocabulary:
 - a. Synonyms
 - b. Antonyms
 - c. One – work Institution
3. Reading and Understanding English
 - a. Comprehension passage
 - b. Précis – writing
 - c. Developing a story from hints.
4. Writing English
 - a. Writing Business letters.
 - b. Paragraph writing
 - c. Essay writing
 - d. Dialogue writing
5. Speaking English
 - a. Expressions used under different circumstances
 - b. Phonetics

Reference :

1. V.H.Baskaran – “English Made Easy”
2. V.H.Baskaran – “English Composition Made Easy”
(Shakespeare Institute of English Studies, Chennai)
3. N.Krishnaswamy – “Teaching English Grammar”
(T.R.Publication, Chennai)
4. “Life Skill” – P.Ravi, S.Prabakar and T.TamzilChelvam,
M.S.University, Tirunelveli.

COURSE V

(C21AEP1 / E21AEP1) Practical on Emergency Care procedures

***Cumulative Skills Practice from all the four papers from SEM I in the simulation lab

SEMESTER II

COURSE VI

(C21AE21 / E21AE04) Trauma and Orthopedic Emergencies

Unit-I

1. Head and Face Injuries
2. Assessment and management of injuries to Skull and facial bones, eyes, ears teeth, mouth, anterior part of neck, brain, face

Unit-II

3. Spine Injuries: Anatomy, Pathophysiology, patient assessment, management, pharmacotherapy of spinal cord injury, complications of spinal cord injuries.

Unit-III

4. Thoracic Injuries: Anatomy, Physiology and Pathophysiology of thoracic injuries, General assessment and management, Specific injuries.

Unit-IV

5. Abdominal Injuries: mechanism of abdominal injuries, Pathophysiology, assessment, management of abdominal injuries, pelvic injuries.
6. Musculoskeletal Injuries: Patterns and mechanism of musculoskeletal injuries,
7. Fractures
8. Ligament injury and dislocation
9. Muscle and tendon injuries

Unit V

10. Arthritis
11. Amputations
12. Laceration
13. Vascular injuries
14. General principles of assessment and management
15. General interventions and Complications

COURSE VII
(C21AE22/E21AE05)

Circulation, Airway, Breathing, Maternal and Child care emergencies management

Unit I

1. Patient assessment
2. Cardiac arrhythmias
3. ECG
4. Pathophysiology and management of cardiovascular diseases
5. Management of symptomatic bradycardia , cardiac arrest and tachycardia
6. Techniques of management of cardiac emergencies
7. Medications commonly prescribed to patients with cardiovascular diseases.

Unit II

1. Endotracheal intubation - orotracheal intubation, Nasotracheal intubation, digital intubation
2. Transillumination techniques for intubation
3. Field extubation
4. Pediatric intubation
5. Multilumen airways
6. The laryngeal mask airway
7. Surgical and non surgical airways

Unit-III

1. Gynecology – Menstruation, pathophysiology
2. Patient assessment
3. General management
4. Assessment and management of specific conditions
5. Sexual assault

Unit-IV

6. Obstetrics – introduction
7. Anatomy and physiology of female reproductive system
8. Conception and gestation
9. Physiologic maternal changes during pregnancy
10. Medical conditions affected by pregnancy and Complications of pregnancy
11. Assessment of pregnant patient
12. Trauma in pregnancy
13. Child birth, abnormal deliveries, complications of labor and delivery
14. Emergency pharmacology in pregnancy
15. Post delivery care

Unit-V

16. Neonatology – Introduction, General pathophysiology and assessment, Specific intervention and resuscitation steps, Special conditions, Pre-mature and low birth weight

- infants, Thermoregulation, hypoglycemia, vomiting and diarrhea
17. Common birth injuries in new born
 18. Pediatrics – Introduction, Approach to pediatric patients, Pediatric assessment ,
Respiratory, cardiovascular, medical and Toxicological emergencies
 19. SIDS, apparent life threatening event, Child abuse and neglect, trauma, Burns, Children with
special health care needs and Pediatric mental health

COURSE VIII

(C19LS23 / E19LS05) Life Skills

I Life Coping or adjustment

- (a) External and internal influence in one's life
- (b) Process of coping or adjustment
- (c) Coping with physical change and sexuality Coping with stress
- (d) shyness, fear, anger far live and criticism.

II Attitude

- (a) Attitude
- (b) Self acceptance, self – esteem and self actualization
- (c) Positive thinking

III Problem Solving

- (a) Goal Setting
- (b) Decision Making
- (c) Time Management and stress Management.

IV Computers

- (a) Introduction to Computers
- (b) M.S.Office
- (c) Power Point

V Internet

- (a) Introduction to internet
- (b) E – mail
- (c) Browsing

References:

- 1) Life Skill Programme course I & II by Dr. Xavier Alphona MCRDCE Publications.
R.K.Mutt Road, Chennai – 28
- 2) MSikgz;Gtsh;jjy; kw;Wk; jfty; njhlh;G by M.Selvaraj Community College,Palayamkottai
- 3) “Life Skill” –P.Ravi, S.Prabahar&T.TamilChelvam, M.S. University, Tirunelveli

COURSE IX
(C21AE24 / E21AE06)

Practical: Case studies on Emergency Care Unit I

1. Drawing and Labelling anatomical Parts of Circulation
2. Patient Assessment
3. Basics of ECG
4. Arrhythmia
5. Recognition and Management of Cardiovascular Emergencies

Unit II

1. Emergency Childbirth
2. Clamping the cord
3. Assisting a normal (cephalic presentation) and breech delivery

Unit III

4. Assessment of Pregnant patient
5. Examination of FHS
6. Examination of gravid uterus
7. Transporting a pregnant patient in left lateral position

Unit IV

1. Neonatology
2. Intubation of a neonate
3. Inserting a orogastric tube in the newborn
4. Insertion of oropharyngeal airway in a child
5. Inserting a nasopharyngeal airway in a child

Unit V

6. One rescuer bag mask ventilation for a child
7. Performing paediatric endotracheal intubation
8. Paediatric IO infusion
9. Performing infant and child chest compressions,
10. Decompression of a tension pneumothorax Immobilization of child and infant

Course X
(C21AEP2 / E21AEP2)

Internship Trauma Emergencies & Clinical Management

Unit I

1. Spinal Immobilization - Long Backboard and Standing Position
2. Helmet Removal
3. Hare Traction Splint
4. KED Splint

Unit II

5. Application of Restraints
6. Needle decompression
7. Treatment of a Sucking Chest Wound
8. Management of an Abdominal Evisceration

Unit III

1. Bleeding Control
2. Pelvic Immobilization

Unit IV

1. Flail Chest Immobilization
2. Neck wound management

Unit V

1. IV Cannulation
2. Fluid Resuscitation
3. Temperature control

SEMESTER III

COURSE XI

(C21AE31 / E21AE07)

Gastrointestinal, Urological, Hematology, Endocrinology emergencies

Unit-I

1. Gastrointestinal emergencies – Introduction, anatomy and physiology, general pathology,
2. General assessment in GI bleed, esophageal varices, Mallory Weiss syndrome, hemorrhoids, PUD, cholecystitis, Appendicitis, diverticulitis, pancreatitis, ulcerative colitis, Chron's disease, gastroenteritis, hepatitis, bowel obstruction.

Unit-II

3. Renal and urological emergencies - Introduction, anatomy and physiology, Pathophysiology,
4. General assessment in Acute renal failure, chronic renal failure, stones and urinary tract infection.

Unit-III

5. Hematology - Introduction, anatomy and physiology,
6. General assessment and management in Anaemia, leukemia, lymphomas, polycythemia, hemophilia, sickle cell disease, multiple myeloma.

Unit IV

7. Endocrinology - Introduction, anatomy and physiology,
8. General assessment and management in diabetes mellitus, hyperosmolar non-ketotic coma, adrenal insufficiency, Cushing's syndrome, hyper/hypothyroidism.

Unit- V

Practical demonstration of

1. Cleaning a tracheotomy
2. Obtain a peak flow reading
3. Drawing blood from a central venous catheter
4. Assessment and Management of Gastrointestinal and Urological Emergencies, Hematology and Endocrinology
5. Assessment and Management of Gastrointestinal Emergencies
6. Assessment and Management of Urological Emergencies
7. Assessment and Management of Hematology emergencies
8. Assessment and Management of Endocrinology emergencies

**COURSE XII
(C21AE32 / E21AE08)**

**Neurological, Respiratory, Environmental, Allergies, Infectious diseases and Toxicology
Emergencies**

Unit-I

1. Neurology-Introduction, Anatomy and physiology, Pathophysiology,
2. Assessment and management of specific injuries and illnesses.

Unit-II

3. Respiratory-Introduction, Anatomy and physiology, Airway and breathing problems, Systems approach to respiratory emergencies , Assessment and management of patient with dyspnoea
4. Upper airway obstruction, Obstructive airway diseases and Common respiratory presentations
5. Pleural diseases
6. Disorders of ventilation
7. Respiratory pharmacology
8. Assisted ventilation

Unit-III

9. Environmental emergencies including drowning, Homeostasis and body temperature, Heat illness, Cold injuries, Hypothermia, Drowning, Diving injuries, Altitude illness and Travel medicine
10. Allergic reactions – Introduction, Anatomy and physiology and Pathophysiology, Assessment and Management of patient with anaphylaxis and Anaphylactic shock

Unit-IV

11. Infectious diseases – Introduction, Host defense mechanism, Infection cycle, Transmission of communicable diseases, Precautions for the health care providers, Airborne transmitted diseases, Sexually transmitted diseases, Blood borne diseases, Enteric diseases, Vector borne diseases, Zoonotic diseases, Antibiotic resistant organisms and New emerging diseases
12. Poisoning – Introduction, Types of toxicological emergencies , Poison centers, Routs of absorption, Toxidromes, Substance abuse, Alcoholism
13. Assessment and management of specific poisoning
14. Bites, stings and injected poisons

Unit V

1. Assessment and Management of Neurological, Respiratory, Environmental including drowning, Allergies, Infectious Diseases and Poisoning emergencies
2. Assessment and management of neurological Emergencies
3. Assessment and management of respiratory Emergencies
4. Assessment and Management of Environmental Emergencies including drowning, Allergies, Infectious Diseases and Poisoning

**COURSE XIII
(C21AE33 / E21AE09)**

Emergency Ambulance Operations, Disaster Management and EMS Research and Management

Unit-I

1. Ambulance operations – History and ground ambulances,
2. ambulance equipment, checking and staffing,
3. Emergency vehicle operation, air medical transport.

Unit-II

4. Medical incident command – Disaster Management,
5. mass casualty incident,
6. the incident command system,
7. EMS response within ICS,
8. medical incident command,
9. Triage.

Unit-III

10. Terrorism and weapons of mass destruction- Paramedic response,
11. Chemical/biological/radiological/nuclear agents.
12. Rescue awareness and operations – Types of rescues, guidelines for operations, steps of special rescue, general rescue scene procedures, assisting rescue crew, patient care.
13. Hazardous material incidents – Hazardous material scene size up/scene management, identification of hazardous material, contamination and Poisoning, chemical and toxicological terminology,
14. Decontamination and treatment, medical monitoring and rehabilitation.
15. Crime scene awareness – Awareness, highway incidents, residential incidents, violence on streets, contact and cover, self defense, crime scenes.

Unit – IV

1. Learning Ambulance Operations, Medical Incident Command Systems, MCI Protocols
2. Loading a patient
3. Unloading a patient
4. Rescue Awareness and operations: Breaking tempered glass,
5. Stabilizing a suspected spinal injury in the water

Unit V

1. Defining the Question and Formulating a Hypothesis
2. Designing the study- Determining the Type of Study
3. Developing the Methods
4. Consulting a Statistician and Performing a Power Calculation
5. Interactions with Others- Ethical Considerations and IRB Approval
6. Conducting the Research- Conducting a Pilot Study
7. Implementing the Study and Collecting Data
8. Describing and Analyzing the Data, Reporting the Findings

COURSE XIV
(C21AEP3 / E21AEP3) Cardiovascular Emergencies

Unit-I

8. Introduction
9. Epidemiology
10. Anatomy and Physiology

Unit-II

11. Patient assessment
12. Cardiac arrhythmias
13. ECG

Unit-III

14. Pathophysiology and management of cardiovascular diseases
15. Management of symptomatic bradycardia , cardiac arrest and tachycardia

Unit-IV

16. Techniques of management of cardiac emergencies
17. Medications commonly prescribed to patients with cardiovascular diseases.

Unit – V

Practical demonstration of

6. Drawing and Labelling anatomical Parts
7. Patient Assessment
8. Basics of ECG
9. Arrhythmia
10. Recognition and Management of Cardiovascular Emergencies

**COURSE XV
(C21AEIP / E21AEIP)**

Practical on advanced procedures in ambulance and inpatient care

***Cumulative Skills Practice from all the four papers from SEM III in the simulation lab

SEMESTER IV

COURSE XVI

(C21AE41 / E21AE10) Geriatric, palliative and psychiatric care

Unit - I

1. Geriatrics: Anatomical and physiological changes in elderly, Pathophysiology,
2. Assessment of geriatric patients,
3. Assessment and management of medical complaints, trauma in elderly, elder abuse, End of life care.
4. Abuse, Neglect and Assault: Child abuse, Elder abuse, Domestic abuse, Sexual assault

Unit – II

5. Patients with Special Needs: Physical challenges, Mental challenges, Pathological changes, terminally ill patients,
6. Patients with communicable diseases, culturally diverse patients, Financial challenges.
7. Acute Interventions for Chronic Care Patients: Assessment of Chronic Care patient,
8. Types of patients receiving home care.

Unit-III

1. Psychiatric emergencies – Introduction, definition of behavioral emergency and causes of abnormal behavior
2. psychiatric signs and symptoms, assessment and general management
3. hostile and violent patients

Unit – IV

1. Palliative care is an approach that improves the quality of life of patients (adults and children) and their families who are facing problems associated with life-threatening illness
2. Types of palliative care
3. Inclusive criteria for palliative care

Unit – V

1. Special needs in elderly
2. Communication problems
3. Equipment involved in long term treatment
4. Hospice care In the end
5. Do not resuscitate

COURSE XVII

(C21AE42 / E21AE11) Practical: Practical case studies on Trauma

Unit I

1. Management of Head and Spinal Injuries
2. Management of Thoracic Injuries
3. Management of Abdominal and Pelvic Injuries

Unit II

4. Management of Musculoskeletal Injuries Injuries
5. Management of Bleeding Soft tissue Injuries

Unit III

6. Management of Burns and Scalds
7. Management of Special injuries

Unit IV

1. Trauma with the influence
2. Management of vascular injuries
3. Management of amputations

Unit V

- Poly Trauma Management

COURSE XVIII
(C21AE43 / E21AE12)

Practical on patient record and report management

- Acquisition of good document habits, with concise recording of patient history and physical examination and including pertinent positives and negatives.
- To get familiarized with the terminologies used in hospital documentation of a case and in the Patient care report (PCR)
- Medico Legal Cases
- NABH Accreditation records
- JCI guidelines
- Infection Control
- Appropriate record
- Adequate record
- Stock Record
- Service not required
- Inter facility transfer
- Refusal of treatment record
- Obtaining consent
- Law enforcement record keeping
- Patient handing over
- Belongings record keeping
- Abuse reporting record

COURSE XIX

(C21AEP4 / E21AEP4) Internship in ambulance operations

Unit I

Demonstrate Patient assessment and Management Skills in ambulance

- Initial evaluation of patients with a wide variety of presentations ranging from medical and surgical to social and psychological. In the ambulance settings, this requires a rapid, appropriate and focused history and physical examination based on the patient's chief complaint.
- The ability to formulate a working differential diagnosis.

Unit II

- Understanding the concept of triage and prioritization of care while managing multiple patients simultaneously in pre hospital emergency care environment.
- Rapid recognition of acute life/limb-threatening illnesses or injuries in prehospital emergency care environment.
- Systematic approach to resuscitation and stabilization of medical, surgical, and trauma related emergencies in prehospital emergency care environment.
- Performance of basic and advanced skills pertaining to Pre-hospital emergency care.

Unit III

Demonstrate Understanding the Hospital-EMS interface

- To get familiarized with the continuum of care that the patients will get when they are brought to hospitals.

Unit IV

Demonstrate Professional Behaviors and soft skills in ambulances

- Effective communication with patients, colleagues, and other health care professionals.
- The ability to establish and maintain effective working relationships with colleagues and other health care professionals.
- The ability to recognize and manage the psychosocial and ethical issues which commonly arise in the ED and may arise in the ambulances as well.

Unit V

- Record Keeping and Documentation

COURSE XX

(C21AEPW / E21AEPW) Internship in Clinical Management

Unit I

Demonstrate Patient assessment and Management Skills in hospital

- Initial evaluation of patients with a wide variety of presentations ranging from medical and surgical to social and psychological. In the ED settings, this requires a rapid, appropriate and focused history and physical examination based on the patient's chief complaint.
- The ability to formulate a working differential diagnosis.

Unit II

- Understanding the concept of triage and prioritization of care while managing multiple patients simultaneously in emergency departments.
- Rapid recognition of acute life/limb-threatening illnesses or injuries in emergency departments.
- Systematic approach to resuscitation and stabilization of medical, surgical, and trauma related emergencies in emergency departments.

Unit III

Demonstrate Professional Behaviors and soft skills in hospital

- Effective communication with patients, colleagues, and other health care professionals.
- The ability to establish and maintain effective working relationships with colleagues and other health care professionals.
- The ability to recognize and manage the psychosocial and ethical issues which commonly arise in the ED and may arise in the ambulances as well.

Unit IV

Focused Emergency Management on the following cases

- Cardio Vascular
- Neuro Vascular
- Respiratory
- Gastro Intestinal

Unit V

- Trauma Injuries
- Pediatrics
- OBG
- Environmental
- Poisoning