

COURSE TITLE: MEDICAL EMERGENCY CARE-I & CLINICAL PRACTICE

STUDY HOURS:	60+160	MARKS	
PAPER:	01	THEORY	120
Term :	4th	PRACTICAL:	30
		TIME :	03HRS

**COURSE CONTENTS STUDY HOURS
(Theory +Practical)**

A. EMERGENCY MEDICAL CARE AND MANAGEMENT 20+30

- A1. Introduction to emergency medical care
- A2. Over view of emergency medical services
- A3. Component of the emergency medical service
 - A3.1. Access
 - A3.2. Administration and policy
 - A3.3. Medical direction and control
 - A3.4. Quality control and improvement
 - A3.5. Equipment use in emergency
- A4. Role and responsibility of the emergency medical care provider

B.MEDICAL EMERGENCY MANAGEMENT 40+60

- B1 **Common Respiratory emergency**
 - B1.1 Obstructive airway disease
 - B1.2 Acute pulmonary edema
 - B1.3 Pneumonia
 - B1.4 Pleural effusions
 - B1.5 Pulmonary thromboembolism

MANAGEMENT

- B1.6 .Initial Assessment
- B1.7 .Inhalation
- B1.8 .Ventilation

B2 Common Cardiovascular emergencies

- B2.1. Acute myocardial infarction
- B2.2. Cardiac arrest
- B2.3. Cardiac surgery and pace maker

MANAGEMENT

- B2.4. Initial Assessment
- B2.5. Cardiac defibrillation
- B2.6. Termination of resuscitation
- B2.7. ECG monitoring
- B2.8. Electrical intervention

B3. Common Pediatric/neonatal emergency

- B3.1 Pediatric airway abstraction
- B3.2 Shocks
- B3.4 Cardiac dysrhythmias
- B3.5. Other medical emergencies
 - B3.5.1 Seizures
 - B3.5.2 Altered level of consciousness
 - B3.5.3 Poisoning
 - B3.5.4 Fever
 - B3.5.5 Dehydration
 - B3.5.6 Meningitis
 - B3.5.7 Hypo/hyper glycemia

MANAGEMENT

- B3.6 Oxygenation
- B3.7 Ventilation
- B3.8 Suctioning
- B3.9 Intubation
- B3.10 Gastric decompression
- B3.11 Resuscitation

C. Practical (introduction and application of the following on the above emergencies) 70

- C1 Receiving Patient
- C2 Assessment of Patient
- C3 Preparation and application of cardiac monitoring
- C4 Defibrillation
- C5 Syringe pump
- C6 Infusion pump
- C7 CPR
- C8 BP, pulse and inspiration record
- C9 Ventilation
- C10 Arterial blood gases machine preparation and operation
- C11 Sucker machine preparation and application
- C12 Anesthesia monitor preparation and application
- C13 First Aid management for medical emergencies
- C14 First Aid management for surgical trauma emergencies
- C15 Intubation
- C16 NG and OG tube application
- C17 Cathrization

RECOMMENDED BOOKS

INTERMEDIATE EMERGENCIES BY RHOMDA J. BECK AND STEPHEN J. RAHM BY JONES AND BARTLETT PUBLISHERS LONDON

**COURSE TITLE: MEDICAL EMERGENCY-II, SURGICAL AND TRAUMA
EMERGENCY & CLINICAL PRACTICE**

STUDY HOURS: 60+160
PAPER: 02
TERM: 4th

THEORY 120
PRACTICAL: 30
TIME : 03HRS

A. MEDICAL EMERGENCIES-II

30+45

- A1. Diabetic emergencies
- A2. Allergic reaction
- A3. Poisoning and over dose
- A4. Neurologic emergencies
- A5. Environmental emergencies
- A6. Behavioral emergencies
- A7. Gynecologic emergencies
- A8. Brain hemorrhage and shock

MANAGEMENT

- A9. Initial assessment
- A10. The role of glucose and insulin
- A11. Stomach wash technique
- A12. Identifying the patient and the poison
- A13. Prevention and treatment of environmental emergencies

B. COMMON SURGICAL AND TRUMA EMERGENCIES 30+45

- B1. Fractures
- B2. Head injury
- B3. Spinal injury
- B4. Burn and soft tissue injuries
- B5. Abdomen injury
- B6. Obstetric emergencies
- B7. Blast injury

MANAGEMENT

- B8. Receiving of patient
- B9. Fractures reduction and immobilization
- B10. Spinal injury first Aid and shifting
- B11. Application of dressing and bandages
- B12. Suturing
- B13. Assisted respiration

C. Practical (introduction and application of the following on the above emergencies) 70

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