

[KZ 0811]

AUGUST 2011

Sub. Code: 1002

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

FIRST YEAR

PAPER II – EMERGENCY MEDICINE (EM) AND EMS

Q.P. Code: 801002

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe in detail the history of Emergency Medical Services and the role in Health Care.
2. Outline the basic principles of life support and discuss the steps in basic life support.
3. Describe the approach to the emergency patient and write a model case sheet.

II. Write notes on:

(8 x 5 = 40)

1. Nasogastric intubation.
2. Exposure to infections in emergency department.
3. Near drowning.
4. General principles in treatment of electrical shock injuries.
5. Physical findings in Hypothermia.
6. Resuscitation in a patient with Haemetemesis.
7. Emergency care in syncope.
8. Treatment of dyspneic patient.

III. Short Answers on:

(10 x 3 = 30)

1. Central Venous cannulation steps.
2. Recommended post exposure prophylaxis in HIV.
3. Usefulness of pre-hospital measures in snake bite.
4. Six causes of haematuria.
5. Pupillary changes in poisoning.
6. Immediate first aid in seizures.
7. Serious causes of abdominal pain.
8. Four antihypertensive drugs.
9. Signs of meningitis.
10. Transport of spinal cord injured patient.

[LB 0212]

AUGUST 2012

Sub. Code: 1002

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

FIRST YEAR

PAPER II – EMERGENCY MEDICINE (EM) AND EMS

Q.P. Code : 801002

Time : Three hours

Maximum : 100 marks

(180 Mins) Answer ALL questions in the same order.

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|--|---|----|----|
| 1. Describe the legal and ethical accountability of paramedics. | 7 | 20 | 10 |
| 2. Discuss proper body mechanics for lifting and moving patients in emergency situation. | 7 | 20 | 10 |
| 3. Define Disaster and triage. Describe color coded triage classification in disaster. | 7 | 20 | 10 |

II. Write Notes on:

- | | | | |
|---|---|----|---|
| 1. Explain importance and necessity of patient confidentiality. | 4 | 10 | 5 |
| 2. Describe basic preparation of pediatric patient for transport. | 4 | 10 | 5 |
| 3. Describe the condition under which use of force including restraint is acceptable. | 4 | 10 | 5 |
| 4. Sequence of spinal immobilization. | 4 | 10 | 5 |
| 5. Indication of air transport in trauma victim. | 4 | 10 | 5 |
| 6. Role of Automated External defibrillators outside the hospital. | 4 | 10 | 5 |
| 7. Foreign body obstruction maneuver. | 4 | 10 | 5 |
| 8. Emergency provider level training and skills. | 4 | 10 | 5 |

III. Short Answers on:

- | | | | |
|--|---|---|---|
| 1. Assault. | 2 | 4 | 3 |
| 2. Consent. | 2 | 4 | 3 |
| 3. Do not Resuscitate (DNR) order. | 2 | 4 | 3 |
| 4. Helmet removal technique. | 2 | 4 | 3 |
| 5. Criteria for not starting Cardiopulmonary Resuscitation. | 2 | 4 | 3 |
| 6. Prehospital traction Splint. | 2 | 4 | 3 |
| 7. Personal protective equipments. | 2 | 4 | 3 |
| 8. Laryngeal mask Airway (LMA) and its uses. | 2 | 4 | 3 |
| 9. Why do we have need Emergency medicine as separate specialty. | 2 | 4 | 3 |
| 10. Abandonment. | 2 | 4 | 3 |

[LC 0212]

FEBRUARY 2013

Sub. Code: 1002

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

FIRST YEAR

PAPER II – EMERGENCY MEDICINE (EM) AND EMS

Q.P. Code : 801002

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Elaborate on:

(3X10=30)

1. Discuss patient right, including autonomy, end of life decisions moral and ethical implication of Do Not Resuscitate (DNR) orders.
2. Principles and physiology of cardiopulmonary Resuscitation (CPR).
3. List the primary and additional roles and responsibilities of paramedics.

II. Write Notes on:

(8X5=40)

1. Explain importance and necessity of patient confidentiality.
2. Basic Life Support (BLS) Algorithm.
3. Discuss the responsibilities of paramedic relative to resuscitation offers for patient who are potential organ donors.
4. Discuss proper body mechanics for lifting and moving patients in Emergency situation.
5. Differentiate between assault and battery Describe how to avoid each.
6. What are personal protective Equipments used in Emergency medical Service.
7. What are level of provider and scope of practice in Emergency medical service.
8. Color coded triage classification in Disaster.

III. Short Answers on:

(10X3=30)

1. Criteria for not starting cardiopulmonary resuscitation(CPR).
2. Criteria for Air medical transport.
3. Define Negligence.
4. Define mass and multiple casualties.
5. Define Informed and Expressed consent.
6. Foreign body obstruction maneuver.
7. Differentiate law and ethics.
8. Automated External defibrillator.
9. Modification of Basic Life Support in pregnant women.
10. Confidentiality.

[LD 0212]

August 2013

Sub.code: 1002

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
FIRST YEAR
PAPER II – INTRODUCTION TO EMERGENCY MEDICINE (EM) AND EMS**

Q.P. Code: 801002

Time : Three hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on: (3X10=30)

1. List out the methods in process of Health assessment and explain the steps in systematic way to the assessment?
2. Explain in detail about Roles and responsibilities of emergency medical services?
3. Explain the general management of poisoning and steps in Ryle's tube insertion?

II. Write short notes on: (8X5=40)

1. Explain scope of Emergency Ambulance services?
2. How will you deal arrangements major incidents?
3. Explain communication and dispatching the call?
4. Note on Non-emergency patient categories?
5. Explain Door way to Hospital department?
6. Explain dietary and social services?
7. Explain about principles of life support?
8. How will you prepare a patient and unit for examination?

III. Short answers on : (10X3=30)

1. Define emergency call and urgent call?
2. 3 functions of ambulance control?
3. Note on Rescue to call?
4. Note of Medical insurance?
5. Explain Pre hospital transport
6. How will do Olfaction?
7. First aid in front bite?
8. First aid in foreign body in eye?
9. Procedure for Ryle's tube insert? ion
10. Note on lifting and transporting the patient?

[LE 0212]

February 2014

Sub.code: 1002

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
FIRST YEAR
PAPER II – INTRODUCTION TO EMERGENCY MEDICINE (EM) AND EMS
Q.P. Code : 801002**

Time : Three hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on: (3X10=30)

1. Define Emergency call and urgent call? Explain the standard of performance in emergency and urgent calls.
2. Explain General management in hypovolumic shock. Briefly about bandaging.
3. Write about History taking and steps from door way to hospital departments?

II. Write short notes on: (8X5=40)

1. Function of ambulance control?
2. Write about ambulance communication system?
3. Classify hospitals add a notes of structure?
4. Detail about mobility of patient?
5. Write about legal issues emergency medical services?
6. Steps in physical examination and explain any one in detail?
7. Explain how will you Assess each body system. ?
8. Management of Poisoning. ?

III. Short answers on : (10X3=30)

1. Write classification of hospital and patient?
2. Write about laboratory department?
3. Brief note on dietary management?
4. Medico legal issue- 3 important issue?
5. Write methods in assessment of health?
6. First aid in wound?
7. Any 3 responsibilities of emergency medical services?
8. Outline on General assessment on health?
9. Procedure for admitting the patient. ?
10. Medical records – Briefly explain?

[LF 0212]

AUGUST 2014

Sub.code: 1002

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
FIRST YEAR
PAPER II – EMERGENCY MEDICINE (EM) AND EMS**

Q.P. Code: 801002

Time : Three hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3X10=30)

1. Describe the principle of Training in emergency medicine? how will you manage a major accidents?
2. Discuss the purposes of Health management and How will you prepare a patient or examination?
3. Define Shock? Describe the investigations and Management of a patient present with Shock?

II. Write short notes on:

(8X5=40)

1. Naso gastric tube –steps and indications.
2. Describe basic preparation of pediatric patient for transport.
3. Write about importance of corporation and network between control staff and ambulance crews.
4. Note on Patient support services.
5. Note on legal issues of Emergency medical services.
6. Write about assessment of respiratory system.
7. Foreign body obstruction maneuver.
8. Note on Lifting and transporting injured persons.

III. Short answers on:

(10X3=30)

1. Plaster of paris.
2. steps in intubation.
3. Ecg findings in Acute inferior wall myocardial infarction.
4. Helmet removal technique.
5. Criteria for not starting Cardiopulmonary Resuscitation.
6. Causes of cramps.
7. Palpation of Spleen.
8. four causes of Acute renal failure.
9. Why do we have need Emergency medicine as separate specialty.
10. Scalds Treatment.

[LG 0215]

FEBRUARY 2015

Sub.code: 1002

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY
FIRST YEAR
PAPER II – EMERGENCY MEDICINE (EM) AND EMS**

Q.P. Code: 801002

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

I. Elaborate on: **(3 x 10 = 30)**

1. Write in detail regarding clinical systemic examination of cardiovascular, respiratory, abdomen and central nervous system.
2. General management of poisoning.
3. Basic Life Support in adults.

II. Write Notes on: **(8 x 5 = 40)**

1. Mechanism of injury and injury patterns.
2. Classification of head injury.
3. Key components of pre hospital care.
4. Scene size up.
5. Clinical features of compartment syndrome.
6. Anti snake venom.
7. Mention the reversible causes of cardiac arrest.
8. Management of anaphylaxis and anaphylactic shock.

III. Short Answers on: **(10 x 3 = 30)**

1. Mention 3 anti arrhythmic drugs.
2. Pelvic Immobilization.
3. Mention the first aid for seizures.
4. Diagnostic criteria for Acute Myocardial infarction.
5. Clinical features of Tension Pneumothorax.
6. Mention 3 uses of Magnesium sulfate.
7. Clinical signs of Brain death.
8. Name 3 Benzodiazepines.
9. Name 3 Anti convulsants.
10. Draw diagram and label the parts of endotracheal tube.
