

**DIPLOMA IN ACCIDENT AND EMERGENCY CARE TECHNOLOGY****FIRST YEAR****PAPER III – EMERGENCY MEDICINE (EM) & EMS***Q.P. Code : 841003***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order****I. Elaborate on:**

|  | <b>Pages<br/>(Max.)</b> | <b>Time<br/>(Max.)</b> | <b>Marks<br/>(Max.)</b> |
|--|-------------------------|------------------------|-------------------------|
|--|-------------------------|------------------------|-------------------------|

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|---|---|---------|----|
| 1. Principles of life support for unconscious patient.      | 7 | 20 min. | 10 |
| 2. The hospital transport importance.                       | 7 | 20 min. | 10 |
| 3. Enumerate the role and Emergency for OPC poison patient. | 7 | 20 min. | 10 |

**II. Write notes on:**

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|---|---|--------|---|
| 1. AR entry and its significance.                       | 4 | 9 min. | 5 |
| 2. Ryle's tube.   | 4 | 9 min. | 5 |
| 3. Endotracheal Intubation.                             | 4 | 9 min. | 5 |
| 4. Management of RTA patient.                           | 4 | 9 min. | 5 |
| 5. Transport of spine injury patient.                   | 4 | 9 min. | 5 |
| 6. Sudden airway obstruction management.                | 4 | 9 min. | 5 |
| 7. Significance of past History of unconscious patient. | 4 | 9 min. | 5 |
| 8. Importance of consent form.                          | 4 | 9 min. | 5 |
| 9. Disaster management.                                 | 4 | 9 min. | 5 |
| 10. Pre hospital transport of burns patient.            | 4 | 9 min. | 5 |

**III. Short Answers on**

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|-----------------------------|---|--------|---|
| 1. Significance of Airway.  | 1 | 3 min. | 2 |
| 2. What is CBD?             | 1 | 3 min. | 2 |
| 3. What is Atropine chart?  | 1 | 3 min. | 2 |
| 4. What is C.T. importance? | 1 | 3 min. | 2 |
| 5. What is MRI imaging?     | 1 | 3 min. | 2 |
| 6. What is cervical collar? | 1 | 3 min. | 2 |
| 7. What is tracheostomy?    | 1 | 3 min. | 2 |
| 8. What is Asthma?          | 1 | 3 min. | 2 |
| 9. SMV mode in ventilator?  | 1 | 3 min. | 2 |
| 10. AMBU BAG.               | 1 | 3 min. | 2 |

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**FIRST YEAR**

**PAPER III – EMERGENCY MEDICINE (EM) & EMS**

*Q.P. Code : 841003*

**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the Protocol to be adopted by a paramedic when emergency medical service is activated.
2. Describe in detail the Basic life support algorithm in adults along with its principles.
3. Detail on the body mechanics of lifting moving human body in emergency situations.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Confidentiality.
2. Personal protective equipment.
3. Immediate first aid in drowning.
4. Inter hospital transfer.
5. 'Do not resuscitate' order.
6. Colour coded triage system.
7. Glasgow coma scale.
8. AED.
9. Drugs used in cardiac arrest.
10. Ambulance transport.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Informed Consent.
2. Assault.
3. Mass casualty.
4. Thomas splint.
5. Negligence.
6. Medical ethics.
7. Ambu bag.
8. Define disaster.
9. Paramedic's accountability.
10. LMA.

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**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Basic Life Support (BLS) Algorithm & when to withdraw Cardio Pulmonary Resuscitation (CPR).
2. Discuss patient right, including autonomy, end of life decisions, moral and ethical implication of Do Not Resuscitate (DNR) orders.
3. Describe the legal and ethical accountability of paramedics.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Role of Automated External defibrillators outside the hospital.
2. Primary roles and responsibilities of paramedics.
3. Importance of emergency medicine as separate specialty.
4. Sequence of spinal immobilization.
5. Steps of Stomach wash & its importance.
6. What is code blue & its importance.
7. Discuss on lifting and moving patients.
8. Describe basic preparation of pediatric patient for transport.
9. Maneuver involved in foreign body obstruction.
10. Uses of stomach wash on poison victim.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Name the cardiac arrest rhythms.
2. Consent.
3. Confidentiality.
4. Helmet removal technique.
5. Air medical transport.
6. Prehospital traction Splint.
7. Personal protective equipments.
8. Laryngeal Mask Airway (LMA) and its uses.
9. Glasgow coma scale (GCS).
10. Assault.

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[LF 0212]

AUGUST 2014

Sub. Code: 1003

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**FIRST YEAR**

**PAPER III – EMERGENCY MEDICINE (EM) & EMS**

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**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Principles of life support for unconscious patient.
2. Enumerate the communication system and equipments of Ambulance.
3. Enumerate the Organisation and structure of hospital and patient.

**II. Write notes on:**

**(10 x 5 = 50)**

1. AR entry and its significance.
2. Catheterisation.
3. Pulseoximeter.
4. Management of burns patient.
5. Triage.
6. Sudden airway obstruction management.
7. Significance of past History of unconscious patient.
8. Importance of Past history.
9. Abandonment.
10. Pre hospital transport of spinal cord injury patient.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Two diseases transmitted by sexual contact.
2. What is suprapubic CBD?
3. What is Atropine chart?
4. What is x ray importance?
5. What is CT imaging?
6. What is cervical collar?
7. What is tracheostomy?
8. What is myocardial infarction?
9. CMV mode in ventilator.
10. What is CPR?

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**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe Components required for EMS System.
2. Describe Doorway to the Hospital Department.
3. Detail on Preparation of a patient for examination.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Technique for insertion of Nasopharyngeal airway.
2. Personal protective equipment.
3. Safety during Ambulance Transport.
4. Describe Purposes of Health Assessment.
5. 'Do not resuscitate' order?
6. Colour coded triage system.
7. Glasgow coma scale
8. Anti Hypertensive drugs.
9. Oflaction.
10. Types of Ambulance.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Common situations in which invasive arterial monitoring may be of benefit.
2. Indications of Balloon Tamponade of Gastroesophageal Varices.
3. Mass casualty.
4. Arterial Puncture with a Needle/Syringe.
5. Negligence.
6. Medical ethics.
7. Laryngoscope.
8. Any two complication of cardioversion.
9. Two Contraindications for Stomach wash.
10. Two indications for Ryle's tube insertion.

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