

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY**  
(New Syllabus 2014 – 2015)  
**THIRD YEAR**  
**PAPER III – CLINICAL PROCEDURES AND INSTRUMENTATION IN**  
**EMERGENCY SERVICES**

*Q.P. Code: 801028*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

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

1. a) What are the types of defibrillator?  
b) Indication for using defibrillator.  
c) Describe the principles and functions of defibrillator.
2. a) Mention 5 indications of rapid sequence intubation (RSI).  
b) Preparation of RSI.  
c) Method to check correct placement of ET.  
d) Complications of endotracheal intubation.
3. a) Intraosseous infusion – indication, preparation, technique,  
b) Drug can be administered through IOL and complication.

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

1. Indication and procedures of pericardiocentesis.
2. Name two airway adjunct and technique of using it.
3. Write down the preparation and steps for Endotracheal tube Extubation.
4. Draw and label 'Einthoven Triangle' and explain it.
5. Urethral catheterization – indications, contraindications and technique.
6. Procedure and indication for use of Transcutaneous pacing.
7. How will you administer different concentration of O<sub>2</sub> using the mask, describe the color respectively?
8. Laryngeal mask airway.

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

1. Indication of ICD.
2. Components of primary survey.
3. Types of venturi mask.
4. Name 4 sites used in central venous cannulation.
5. Uses of scoop board.
6. Explain AMBU and mention its parts.
7. What is oxygen therapy?
8. Management of pneumothorax.
9. Mallampati score.
10. Indication of cricothyrotomy.

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