

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY****THIRD YEAR****PAPER III – AMBULANCE EQUIPMENTS***Q.P. Code: 801023***Time: Three Hours****Maximum: 100 Marks****Answer all questions****I. Elaborate on: (3 x 10 = 30)**

1. Define triage. Mention the different color coding used for triaging in emergency department. Write a note on disaster triage.
2. Mention 4 vital parameters monitoring in ED. Mention the different techniques and principles of BP monitoring.
3. Mention different personnel protection equipment's used in emergency department. Write a note on biodegradable waste disposal in ED.

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

1. Mention 3 spinal immobilization devices. Explain in detail regarding spine board with diagram, procedure of application and its uses.
2. Mention the technique of lumbar puncture. Write 2 uses and complications of LP.
3. Explain the technique of umbilical vein catheterization.
4. Indications and contraindications of splints and casts.
5. Gastric lavage - techniques, Indications and contraindications.
6. Different methods of wound stitching.
7. Mention three absorbable and non-absorbable sutures. Write in detail its uses, advantages and disadvantages of any two in each.
8. Mention the types of vehicles used in emergency medical services.

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

1. Mention two indications for log roll. Write about the steps of log roll.
2. Expand AED. Mention the paddle placement in AED.
3. Pneumatic anti shock garment (PASG) - Indications, contraindications and technique.
4. Pelvic compression distraction test.
5. Expand AMBU and mention two uses.
6. Write normal values (a) ICP (b) Blood pressure (c) CVP
7. Mention three drugs given through endotracheal tube.
8. Name three medical gases.
9. Draw a nebulizer and mention its parts.
10. Mention three poisons that cause bradycardia.

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