

**ME-055**

Seat No. \_\_\_\_\_

**Second Year B. Sc. (Fire) Examination**

April / May – 2003

**Rescue & Paramedics**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) All questions are **compulsory**.  
(2) Figures to the **right** indicate full marks to the question.

- 1 (a) What do you understand by Emergency elements of general safety considerations while responding to any emergency ? 7  
(b) Write short notes on : 7  
(i) Salvage operations  
(ii) Decontamination process during radioactive hazards.

**OR**

- 1 What will be your action in case of LPG gas leakage from a cylinder of cooking gas kept at 8th floor of 15 storey residential building ? Write with valid reasons in a proper sequence of your probable course of actions. 14  
2 (a) Discuss the functional requirements of emergency tender as per relevant Indian standard. 7  
(b) Write the importance of setting up of a Mobile Administrative and Communications Centre at emergency site with its function requirements. 7

**OR**

- 2 List and discuss fire specialised rescue equipments you may possibly use in a highway accident, where two passenger buses been met with a head on collision fear of death and injury toll is high. 14

3 Explain the components of blood and its functions. 14

OR

3 (a) Define pulse and blood pressure and its clinical significance. 7

(b) Body cavities. 7

4 Structure of skin and its function and describe how will assess depth and distribution of burns. 14

OR

4 Discuss different types of poisoning and bites. Explain emergency care of any one in detail. 14

5 Write short notes : (any two) 14

(a) Define cardiac arrest and cardio pulmonary resuscitation (CPR)

(b) Method of transportation of injured patient.

(c) Describe wound care

(d) Medicolegal aspects of an unconscious patient and your action for him.