

**MASTER OF SCIENCE
(INDUSTRIAL SAFETY)
(MSCIDS)**

Term-End Examination

June, 2026

**MIS-036 : EMERGENCY RESPONSE PLANNING
AND MANAGEMENT OF DISASTERS**

Time : 3 Hours

Maximum Marks : 70

Note : (i) Answer any **seven** questions.

(ii) All questions carry equal marks.

1. (a) Describe the core concepts of emergency management. 5
- (b) Discuss the role of risk assessment in emergency planning. 5
2. (a) What is Emergency Response Plan (ERP) ? List out the benefits of Emergency Response Plan. 5

- (b) Discuss the role and responsibilities of Incident Command System (ICS). 5
3. (a) What are different types of communication channels used in Emergencies ? Explain briefly. 5
- (b) Describe the standard procedures for activating the Emergency operation centre. 5
4. (a) What is Evacuation Plan ? List out the various objectives of evacuation plan. 5
- (b) What are the various components of an Effective Emergency Medical Service System ? Also list out its various functions. 5
5. (a) What are the common Search and Rescue (SAR) techniques ? Explain briefly. 5
- (b) What are the typical physiological reactions ? Explain briefly. 5

6. (a) Discuss the key objectives of emergency and audit reports in reporting and documentation. 5
- (b) What is Corrective Action Planning (CAP) ? List out the various objectives of corrective action planning. 5
7. (a) How do you maintain safety and security at shelters during disaster ? 5
- (b) How does sanitation and waste disposal take place in shelters ? 5
8. (a) What is Emergency Medical Service System ? List out various components of Emergency Medical Service System. 5
- (b) How do you carry out the water and marine rescue operations ? Explain briefly. 5
9. Write short notes on any *four* of the following : $4 \times 2.5 = 10$
- (a) Safety culture

- (b) GIS in disaster communication
- (c) Shelter operation and logistics
- (d) Safety Data Sheet
- (e) Chemical Hazards
- (f) Failure Mode and Effective Analysis
(FMEA)

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