

2024

(6th Semester)

ENVIRONMENTAL SCIENCE

Paper Code : CBCP - 601

(Disaster Management)



Full Marks : 70

Pass Marks : 45%

Time: 3 Hours

*The figures in the margin indicate full marks
for the questions.*

Part-A (Objective)

- A. Multiple choice questions. (1x10=10)
- is the characteristic of a community that makes it susceptible to hazards.
 - Disaster
 - Risk
 - Vulnerability
 - Adaptive capacity
 - Evaluating the capability and capacity to move supplies through relief system, identifying bottlenecks and developing alternate solutions during disaster management is called
 - Epidemiology
 - Logistic
 - Mapping
 - Communication
 - Maintaining a consistent internal body temperature by the hypothalamus is called
 - Hypothermia
 - Heat syncope
 - Heat edema
 - Thermoregulation

(Turn Over)

4. When did the Chernobyl nuclear accident occur?
 - a. 26 April 1986
 - b. 27 April 1986
 - c. 26 April 1987
 - d. 27 April 1987
5. Which of the following is a choking agent?
 - a. Sarin
 - b. Phosgene
 - c. Cyanide
 - d. Chlorine
6. Which of the following is not an indicator of a coldwave?
 - a. Sandstorm
 - b. Severe frost
 - c. Fog
 - d. Snowstorm
7. In a medical relief operation, which group of patients should be treated first?
 - a. I - Red
 - b. I - Blue
 - c. I - Yellow
 - d. I - Green
8. What is the full form of UNDRO?
 - a. United Nations Disaster Reduction Organisation
 - b. United Nations Disaster Relief Organisation
 - c. United Nations Disaster Rehabilitation Organisation
 - d. United Nations Disaster Recovery Organisation
9. Which of the following is the correct sequence of the four stages a human mind undergoes during a disaster?
 - a. Disillusionment, Heroic, Honeymoon, Reconstruction/recovery
 - b. Honeymoon, Heroic, Disillusionment, Reconstruction/recovery
 - c. Heroic, Disillusionment, Honeymoon, Reconstruction/recovery
 - d. Heroic, Honeymoon, Disillusionment, Reconstruction/recovery
10. Which disaster is one of the main causes of farmer's suicide in India?
 - a. Flood
 - b. Drought
 - c. Cyclone
 - d. Earthquake

(Continued)

B. Write short answers on any five of the following questions. (2x5=10)

1. Epidemiology
2. Heatstroke
3. Air and maritime accidents
4. Triage
5. ABC's of first aid.
6. Repatriation
7. Flash flood

Part-B (Descriptive)

Answer the following questions. (10x5=50)

1. What is disaster management? What were the initiatives taken by the Government of India under the Disaster Management bill of 2005? (2+8)

Or

What are natural and anthropological hazards? Explain the various phases of disaster response in case of a natural disaster. (3+7)

2. Define heatwave. Explain the role of authorities for drought management. (2+8)

Or

What is a storm surge? Discuss the impact of the Orissa super cyclone in 1999. (2+8)

3. Explain the impact of war on the people and the country? Describe the indicators of a biological or chemical attack. (6+4)

Or

What is stampede and riot? Describe the safety measures for stampede and riot. (4+6)

(4)

4. Explain in detail the steps involved in the search and rescue mission. (10)

Or

What is Post Traumatic Stress Disorder? What steps should be taken to help children deal with trauma after a disaster? (3+7)

5. What are the different causes of earthquakes? Discuss in detail the impact of the Gujarat earthquake in 2001. (3+7)

Or

Describe the various types of fire disaster. Explain the safety measures we should follow in case of a fire disaster. (4+6)
