

**M.Sc. ENVIRONMENTAL Sc.  
FOURTH SEMESTER  
HAZARDS & DISASTER MANAGEMENT:  
PREPAREDNESS & MITIGATION  
MEV – 402B  
[USE OMR FOR OBJECTIVE PART]**

**SET  
A**

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

( Objective )

Marks: 20

*Choose the correct answer from the following:*

**1X20=20**

1. 'I' in CISF stands for  
a. Indian  
b. Industrial  
c. Information  
d. Institutional
2. Which ministry controls para-military forces of India?  
a. Home affairs  
b. External affairs  
c. Law & Justice  
d. None of above
3. A disease that becomes unusually widespread and even global in its reach is referred to as  
a. Epidemic  
b. Pandemic  
c. Spanish flu  
d. Hyper endemic
4. The National Disaster Management Authority (NDMA) is headed by  
a. President of India  
b. Governor of States  
c. Chief Minister of States  
d. Prime Minister of India
5. What is the apex body for disaster management in India  
a. NDMA  
b. Central Government  
c. CRPF  
d. None of above
6. ICT solution for disaster management generally comprises technology, software and ----- (fill the blank)  
a. Data operation  
b. Data storage  
c. Data standards  
d. Data capture
7. Which of the following is not correct regarding stages of ICT solution in disaster management?  
a. Requirements and Specifications  
b. Implementation and Training  
c. Maintenance  
d. Evaluation and monitoring

8. Which of the following was added to the CRPF to counter the Naxalite movement in India?
- ICG
  - CoBRA
  - Operation Rhino
  - None of above
9. Vulnerability analysis comes in which part of the Disaster Management Cycle
- Mitigation
  - Preparedness
  - Response
  - Recovery
10. What are the three phases of disaster management planning?
- Preparation, Response and Recovery
  - Preparation, Planning and Perception
  - Evacuating, Rebuilding and Re-branding
  - Planning, Evacuating and Recovery
11. Which is the oldest paramilitary force of India?
- CISF
  - BSF
  - CRPF
  - None of above
12. Rapid Action Force is the specialized battalion wing of ----
- Assam Rifles
  - BSF
  - CRPF
  - SSB
13. Which provides security to industrial units, infrastructures, projects etc?
- CRPF
  - CISF
  - BSF
  - All of above
14. Which was raised for deployment along the India's border with China's Autonomous region?
- BSF
  - SSB
  - CRPF
  - ITBP
15. Who are more vulnerable in a disaster?
- Children
  - Old people
  - Women
  - All of above
16. What is the largest of India's Central Armed Police Forces?
- CRPF
  - Assam Rifles
  - CISF
  - BSF
17. Which is correct in terms of mitigation?
- Mitigation embraces measures taken to reduce both the effect of the hazard and the vulnerable conditions to it. Mitigation activities can be focused on the elements exposed to the threat and not on the hazard
  - Mitigation encompasses those measures taken before a disaster event
  - All are correct
  -

18. Which of the following comes last in disaster management?
- a. Response
  - b. Mitigation
  - c. Relief
  - d. Reconstruction
19. Which of the following factors(s) make old people more vulnerable in disasters?
- a. Multi-morbidity
  - b. Prevalence of chronic conditions
  - c. Cognitive impairment
  - d. All of above
20. Correct sequence of activities in disaster management
- a. Preparedness, Response, Relief  
Rehabilitation, Reconstruction
  - b. Preparedness, Rehabilitation,  
Response, Relief, Reconstruction
  - c. Mitigation, Response, Relief,  
Reconstruction, Preparedness
  - d. Relief, Rehabilitation, Preparedness,  
Response,

-- --- --

( Descriptive )

Time : 2 hrs. 30 mins.

Marks : 50

*[ Answer question no.1 & any four (4) from the rest ]*

1. Write about Para Military Forces in India which play major role in disaster management. 10
2. Discuss the steps in disaster management. 10
3. Write application of advanced technologies for emergency communication in disaster management? 10
4. Write role and responsibilities of international agencies in disaster management. 10
5. Explain the importance of Remote Sensing and GIS in disaster management. 5+5=10
6. Discuss role and responsibilities of Central, State, District and local administration in disaster management. 10
7. Discuss Community based Disaster Preparedness Plan. 10
8. Write short notes on: 5+5=10
  - a. Vulnerability of old people in disaster situation.
  - b. Disaster mitigation strategies

== \*\*\* ==