

REV-01
MEV/01/05

2023/08

M.Sc. ENVIRONMENTAL Sc.
FOURTH SEMESTER
HAZARDS & DISASTER MANAGEMENT:
PREPAREDNESS & MITIGATION
MEV - 402B [SPECIAL REPEAT]

**SET
A**

Duration : 3 hrs.

Full Marks : 70

Time : 30 min.

(Objective)

Marks : 20

Choose the correct answer from the following:

1X20=20

- Which of the following is/are para military forces of India?
 - Assam Rifles, NDMA, CRPF
 - Assam Rifles, BSF, CRPF
 - CISF, CRPF, Assam Police
 - All the above
- A clear concise document which outlines preventive and preparatory measures of the event of a disaster to minimize its effect is
 - Disaster plan
 - Disaster manual
 - Disaster guide
 - Disaster record
- A disease that becomes unusually widespread and even global in its reach is referred to as
 - Epidemic
 - Pandemic
 - Spanish flu
 - Hyper endemic
- The National Disaster Management Authority (NDMA) is headed by
 - President of India
 - Governor of States
 - Chief Minister of States
 - Prime Minister of India
- Disaster Management includes:
 - Mitigation
 - Reconstruction
 - Rehabilitation
 - All of the above
- ICT solution for disaster management generally comprises technology, software and _____. (fill the blanks)
 - Data operation
 - Data storage
 - Data standards
 - Data capture
- Which of the following is NOT CORRECT regarding stages of ICT solution in disaster management?
 - Requirements and Specifications
 - Implementation and Training
 - Maintenance
 - Evaluation and monitoring
- The cycle of disaster consists of the following components
 - Preparedness, vulnerability assessment, risk assessment, recovery
 - Mitigation, Risk assessment, Response and Recovery
 - Mitigation, Preparedness, Response, Recovery
 - None of the above

9. Vulnerability analysis comes in which part of the Disaster Management Cycle
- Mitigation
 - Preparedness
 - Response
 - Recovery
10. Which is/ are correct in terms of necessity of Community Based Disaster Management?
- The government alone can manage all types of disasters with its machinery without active participation of people
 - Communities are the best judges of own vulnerability and are capable of making the best decisions regarding their well-being
- Only (i) is correct
 - Only (ii) is correct
 - Both (i) and (ii) are correct
 - Both (i) and (ii) are wrong
11. Which is/ are correct statement(s)?
- Central Training College is the nodal agency of Ministry of Home Affairs to impart disaster management training
 - Assam Rifles is the oldest military force in North East India
- Only (i) is correct
 - Only (ii) is correct
 - Both (i) and (ii) are correct
 - Both (i) and (ii) are wrong
12. 58 Battalions of CRPF was positioned in _____ to help India Peace Keeping Force (Fill in the blank)
- Bangladesh
 - Bhutan
 - Nepal
 - Sri Lanka
13. Which is the elite counter-terrorism unit under the Indian Ministry of Home Affairs?
- Coast Guard
 - National Security Guard
 - Indian Air Force
 - Indian Army
14. Which of the following groups of people are more vulnerable in the event of disaster?
- All people
 - Old people, Poor people and Children
 - Women and Children
 - Old people, women and children
15. How many battalions are there in NDRF?
- 12
 - 14
 - 15
 - 16
16. Disaster frequently results in all of the following EXCEPT
- Damage to the ecological environment
 - Displacement of populations
 - Destruction of a population's homeland
 - Sustained public attention during the recovery phase
17. Ministry of Earth Science is the nodal ministry for mitigation of
- Flood
 - Landslide
 - Tsunami
 - None of above

18. Which of the following is not a mission under National Action Plan on Climate Change?
- a. National Solar Mission
 - b. National Mission on Sustainable Development
 - c. National Water Mission
 - d. All of above are identified missions
19. The paramilitary force of first NDRF battalion located in Guwahati is
- a. BSF
 - b. Assam Rifles
 - c. CISF
 - d. CRPF
20. Which of the following is the nodal ministry for flood mitigation in India?
- a. Home affairs
 - b. Flood Control
 - c. Jal Shakti
 - d. All of above

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(Descriptive)

Time : 2 hrs. 30 mins.

Marks : 50

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

1. Explain the importance of Remote Sensing and GIS in disaster management. 5+5=10
2. Discuss vulnerability of women, children and old age people in hazard situation. 10
3. Write about role and responsibilities of Armed Forces, Police, Para Military Forces in disaster management. 10
4. Write importance and components of community-based disaster preparedness plan. 10
5. Discuss Prevention and Preparedness in disaster management. 10
6. Write on Role of IT for disaster management. 10
7. What do you mean by disaster mitigation? Explain the concept of disaster mitigation. 4+6=10
8. Explain different strategies for disaster mitigation. 10

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