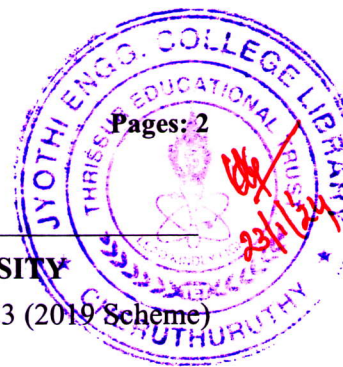


Reg No.: \_\_\_\_\_

Name: \_\_\_\_\_

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

B.Tech Degree S5 (R, S) / S5 (PT) (R, S) Examination December 2023 (2019 Scheme)

**Course Code: MCN 301****Course Name: DISASTER MANAGEMENT**

Max. Marks: 100

Duration: 3 Hours

**PART A***(Answer all questions; each question carries 3 marks)*

Marks

- |    |                                                                                               |   |
|----|-----------------------------------------------------------------------------------------------|---|
| 1  | Define the term "biosphere" and describe the three main components that constitute it.        | 3 |
| 2  | What are disasters? What are their causes?                                                    | 3 |
| 3  | Define the term "hazard" and provide examples of natural and human-made hazards.              | 3 |
| 4  | Define vulnerability in the context of disasters.                                             | 3 |
| 5  | Define the term 'disaster preparedness.                                                       | 3 |
| 6  | Define 'relief' in the context of disaster management.                                        | 3 |
| 7  | What distinguishes crisis counselling from regular counselling?                               | 3 |
| 8  | Explain the importance of communication in disaster management.                               | 3 |
| 9  | What role do local governments play in implementing disaster management legislation in India? | 3 |
| 10 | What are Tsunamis? How are they caused?                                                       | 3 |

**PART B***(Answer one full question from each module, each question carries 14 marks)***Module -1**

- |    |                                                                                                                                                                                                                        |    |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 11 | a) Briefly explain Indian Monsoon and factors affecting Indian Monsoon?                                                                                                                                                | 10 |
|    | b) Explain greenhouse effect and global warming?                                                                                                                                                                       | 4  |
| 12 | Explain the following terms in the context of disaster management (a) Disaster Risk Management (b) Crisis Counselling (c) Exposure (d) Early Warning Systems (e) Damage Assessment (f) Resilience (g) Needs Assessment | 14 |

**Module -2**

- |    |                                                                        |    |
|----|------------------------------------------------------------------------|----|
| 13 | a) Explain the types of vulnerabilities and approaches to assess them. | 10 |
|    | b) Explain the application of hazard maps.                             | 4  |

- 14 Describe in detail the approaches and procedures involved in disaster risk assessment. 14

**Module -3**

- 15 a) Explain the factors that decide the nature of disaster response. 8  
 b) Explain disaster relief and international relief organizations. 6  
 16 a) Explain the core elements of disaster risk management. 7  
 b) Explain the different disaster response actions. 7

**Module -4**

- 17 a) What are the advantages and drawbacks of involving stakeholders in disaster management? 8  
 b) Explain capacity building in the context of disaster management. 6  
 18 a) What is the process for identifying stakeholders in disaster management? 5  
 b) How can one ensure effective disaster communication by outlining the necessary steps, and what obstacles or barriers to communication should be considered in this context? 9

**Module -5**

- 19 a) Discuss the priorities for action identified in the Sendai Framework. How can these priorities be tailored to address the specific needs and challenges faced by India? 9  
 b) What role do local governments play in implementing disaster management legislation in India. 5  
 20 a) Discuss the key features and objectives of the National Disaster Management Policy in India. How does it guide the country in managing and reducing disaster risks? 7  
 b) What are the most common types of disasters faced by India. 7

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