**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, APRIL 2023**

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|  | **2BT4103** | Roll No. | Total Printed Pages: 2 |
| **2BT4103** |  |
| B. Tech. II Year IV- Semester (Main/Back) End Semester Examination, April 2023  **(CV)** | |
| **BCVCCV4103 : Disaster Management** | | | |

# Time: **3** Hours. Total Marks: **60**

Min. Passing Marks: **21**

Attempt **five** questions selecting one question from each Unit. There is internal choice from Unit I to Unit V. Marks of each question or its parts are indicated against each question / parts. Draw neat sketches wherever necessary to illustrate the answer. Assume missing data suitably (if any) and clearly indicate the same in the answer.

Use of following supporting material is permitted during examination for this subject.

# **1.--------------------------Nil--------------------** **2.------------------Nil-----------------------**

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|  |  | **UNIT-I (CO1)** | **Marks** | **Bloom Level** |
| **Q.1** | **(a)** | What is Vulnerability? Explain the various types of Vulnerability. | **(6)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  | **(b)** | Discuss the procedure to analysis the hazard. | **(6)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.2** | **(a)** | Considering Bhopal Gas disaster as a case study. Explain the applicable principles of disaster management to mitigate the effect of such disaster in future. | **(8)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  | **(b)** | How will you assess the loss and damage to human life in disaster? | **(4)** | **Understand,**  **Apply** |
|  |  |  |  |  |
|  |  | **UNIT-II (CO2)** |  |  |
|  |  |  |  |  |
| **Q.3** | **(a)** | Explain Human adjustment, perception and mitigation of earthquake in India. | **(6)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  | **(b)** | Under what category will cyclones come? Explain with reasons. | **(6)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.4** | **(a)** | India is a democratic country, where government is to support his people in every problem. How does state government play the role in disaster management, Discuss? | **(7)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  | **(b)** | What is the impact of tsunami? How can we prevent tsunami? | **(5)** | **Understand,**  **Apply** |
|  |  |  |  |  |
|  |  | **UNIT-III (CO3)** |  |  |
|  |  |  |  |  |
| **Q.5** | **(a)** | What are 5 examples of biological disasters? How can technology be used to reduce the impact of natural disasters? | **(6)** | **Understand,**  **Apply** |
|  |  |  |  |  |
|  | **(b)** | What do you mean by Drought? Discuss briefly the factors promoting drought in India. | **(6)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
| **Q.6** | **(a)** | What is the difference between natural and man-made disasters? Describe briefly the disaster phenomenon in the Indian subcontinent. | **(7)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  | **(b)** | What are the causes of droughts? How do man-made disasters affect us? | **(5)** | **Understand,**  **Apply** |
|  |  |  |  |  |
|  |  | **UNIT-IV (CO4)** |  |  |
|  |  |  |  |  |
| **Q.7** | **(a)** | What are the 5 stages of disaster management cycle? Explain any three stages in detail. | **(6)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  | **(b)** | What are the pre-disaster measures are taken to prevent loss of life due to this hazard? | **(6)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.8** | **(a)** | What is post disaster assessment? How do you manage different types of disasters? | **(6)** | **Understand,**  **Apply** |
|  |  |  |  |  |
|  | **(b)** | What are hazard paradigms? How do you manage a Post disaster? | **(6)** | **Understand,**  **Apply** |
|  |  |  |  |  |
|  |  | **UNIT V (CO5)** |  |  |
|  |  |  |  |  |
| **Q.9** | **(a)** | What is Disaster Management Act? Explain the objectives of NDM. | **(8)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  | **(b)** | What are the guidelines to be followed for disaster management planning? | **(4)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.10** | **(a)** | What is National Policy on disaster management in India? Explain the salient features of National Disaster Management Act 2016. | **(7)** | **Remember,**  **Understand** |
|  |  |  |  |  |
|  | **(b)** | Which state in India has more disasters? Explain laws of disaster management. | **(5)** | **Remember,**  **Understand** |