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Total No. of Pages : 02

Total No. of Questions : 18

**B.Tech. (Civil Engg.) (2018 Batch) (Sem.-4)**  
**DISASTER PREPAREDNESS & PLANNING**  
Subject Code : BTCE-405-18  
M.Code : 77648

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

**Answer briefly :**

- Q1. Define the term 'Disaster'.
- Q2. Name any two manmade disasters.
- Q3. What do you mean by 'Disaster Preparedness'?
- Q4. How does frequency of a disaster affect its outcome on nature?
- Q5. Differentiate between 'Vulnerability' and 'Risk'.
- Q6. Explain the terms RSS and GIS.
- Q7. Name any two disasters that had hit the India in recent past.
- Q8. What do you mean by 'Sustainable Development'?
- Q9. Write two important responsibilities of government, which it should perform during period of disaster occurrence?
- Q10. Write down the phases of disaster management cycle.

## SECTION-B

- Q11. Briefly explain the effects of urbanization on disaster occurrence frequency.
- Q12. Comment on the role of remote sensing systems in disaster management.
- Q13. What are the important aspects of post disaster response?
- Q14. How will you design an infrastructure for disaster management?
- Q15. Briefly explain the significance of 'Disaster preparedness & planning' in civil engineering.

## SECTION-C

- Q16. Comment on the ecological, economic and physical impact of a disaster.
- Q17. Briefly explain the preparedness methods for natural disaster in urban areas.
- Q18. What are the roles of international agencies in post disaster response? Explain in detail.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**