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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.**