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



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **14CE2043** | **Duration :** | **3hrs** |
| **Sub. Name :** | **DISASTER MANAGEMENT AND MITIGATION** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Describe in detail about disaster management cycle. | CO1 | 8 |
| b. | Discuss the various types of natural disasters and highlight the specific efforts to mitigate disasters in India. | CO1 | 12 |
| (OR) | | | | |
| 2. | a. | Discuss the impact of disasters with regard to:  (i) Health (ii) Economic and (iii) Social issues. | CO1 | 12 |
| b. | Discuss the various types of natural disasters in India. | CO1 | 8 |
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| 3. | a. | Discuss flood disaster with reference to: (i) Causes of Flood;  (ii) Types of flood; and (iii) Predictions of flood and mitigating measures. | CO2 | 12 |
| b. | Construct an institutional framework for implementation of disaster mitigation in case of earthquakes. | CO2 | 8 |
| (OR) | | | | |
| 4. | a. | Summarize a process to slow down global warming phenomena. | CO2 | 8 |
| b. | (i) Outline the main features of a volcano.  (ii) Propose any six safety recommendations in case of volcanic eruption. | CO1  CO3 | 6  6 |
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| 5. | a. | Classify terrorism giving examples of each category. | CO1 | 8 |
| b. | Examine how sedimentation disaster occurs and discuss the preventive measures. | CO1 | 12 |
| (OR) | | | | |
| 6. | a. | “Industrial disaster can be minimized by increased public awareness”. Design an awareness programme for the above. | CO2 | 12 |
| b. | Enlist and elaborate the database uses in risk reduction. | CO2 | 8 |
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| 7. | a. | “Steps in the process of disaster preparedness”. Elucidate. | CO1 | 12 |
| b. | Describe in detail the Rehabilitation of victims. | CO2 | 8 |
| (OR) | | | | |
| 8. | a. | Outline the various Steps in reconstruction process. | CO1 | 12 |
| b. | Vulnerability of disasters is a very important study which helps in disaster mitigation. Explain it. | CO3 | 8 |
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|  | | **Compulsory**: |  |  |
| 9. | a. | Design a disaster management and mitigation document considering Karunya University is experiencing 3 times the average rainfall in the past 10 years. | CO3 | 15 |
| b. | How the media influences the disaster management? | CO3 | 5 |