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



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

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| **Code : 17BB2027** | **Duration :** | **3hrs** |
| **Sub. Name : DISASTER MANAGEMENT** | **Max. Marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Describe the classification of Disasters. Brief them individually. | CO1 | 10 |
| b. | Discus about the vulnerability for disasters in India in detail. | CO2 | 10 |
| **(OR)** | | | | |
| 2. | a. | Elucidate how NDRF helps in the mitigation of disasters? Explain its set up and activities. | CO2 | 10 |
| b. | Provide a glimpse about the Disaster Management Act of 2005. | CO3 | 10 |
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| 3. | a. | ‘The Bhopal Gas Tragedy was the worst industrial disaster of this country’ - Explain in detail. | CO6 | 10 |
| b. | Floods of Bihar are a perennial problem. What efforts were carried out by the Government of India to mitigate the flood risks? | CO6 | 10 |
| **(OR)** | | | | |
| 4. | a. | Explain about how the Heat waves in Orissa and Andhra Pradesh disturbing the normal life of people and why it was considered as natural disaster? | CO6 | 10 |
| b. | Even the Surat Plague was reported by the world countries as a greatest threat for India, the Disaster management activities carried out by that time was great success. Explain it. | CO4 | 10 |
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| 5. | a. | Explain the Disaster management cycle? Discuss each stage of it in detail. | CO5 | 10 |
| b. | The Incident Command System is an effective tool for Disaster Management’ - Explain in detail. | CO5 | 10 |
| **(OR)** | | | | |
| 6. | a. | The great Bengal Famine 1943 is a ‘ Man made Famine’. Discuss in detail. | CO3 | 10 |
| b. | Describe the best practices for disaster management in detail. | CO5 | 10 |
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| 7. | a. | Describe the important role of Logistics Management in Disaster Management. | CO4 | 10 |
| b. | How Rajiv Gandhi Foundation helps for rehabilitation of people affected by disasters? | CO4 | 10 |
| **(OR)** | | | | |
| 8. | a. | Describe the objectives of ‘Integrated Coastal Zone Management’ | CO2 | 10 |
| b. | Explain the role of IMD in mitigation of flood risks of our country. | CO2 | 10 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Expand the term ‘INCOIS’ - How its information are vital for disaster management ? | CO1 | 10 |
| b. | **Chennai Floods – Quick Story**  In November–December 2015, the annual northeast monsoon generated heavy rainfall in the Coromandel Coast region of the South Indian States of Tamil Nadu and Andhra Pradesh, the union territory of Pondicherry with the city of Chennai particularly hard-hit.  Termed 2015 South Indian floods as the ‘black swan’ caused an enormous destruction. It is estimated that around 500 people lost their lives and over 18 lakh (1.8 million) people were displaced.  With approximations of damages and losses ranging from Rs.50000 crore to Rs.100000 crore, the floods were the costliest to have occurred in 2015, and were among the costliest natural disasters of the year. The flooding has been attributed to the El Niño phenomenon.  In the city of Chennai, the impact of the heavy rainfall was compounded by the overfull water reservoirs, which soon started to spill over into the city. Whole neighborhoods were inundated, with loss of power, communication and access to essentials. The National Disaster Response Force (NDRF), the Indian Army and disaster management units were pressed into service. Rescue and rehabilitation efforts spanned well over 2 weeks.  What emerged conspicuously during this unprecedented crisis was the coordination of relief efforts over social media platforms such as Twitter, Facebook and WhatsApp. Volunteers, NGOs and other rescue parties were observed to be sending out alerts, requests and sharing useful information related to the flooding on social media. Others used social media to check up on their loved ones, share information, express opinions and sending out requests for help.  **Question:** Discuss the role of social media in the management of above said crisis. | CO1 | 10 |