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**The Assam Royal Global University, Guwahati**

**Royal School of Engineering & Technology**

**B. Tech (Civil Engineering), 7<sup>th</sup> Semester**

**Special Supplementary Examination, August 2024**

**Course Title: Disaster Preparedness & Planning**

**Course Code: CEE022C702**

**Time: 3 Hours**

**Maximum Marks: 70**

**Note: Attempt all questions as per instructions given.**

*The figures in the right-hand margin indicate marks.*

**Section – A**

1. Attempt **all questions**. (Maximum word limit 50) 2 x 8
- Define disaster.
  - What is a landslide?
  - Classify urban disasters.
  - What are the political impacts of a disaster?
  - What are the types of disaster impacts?
  - Define risk analysis.
  - What are the common factors of wildlife hazard?
  - How can be flood variability measured?

**Section – B**

2. Attempt **any two** of the following: 6x 2
- Write a note on natural disasters.
  - Explain oil well fires.
  - Write a note on floods and type of floods.
3. Attempt **any two** of the following: 7 x 2
- What are the disaster impacts?
  - Write a note on affects of disaster on climate change.
  - What are the health and psycho-social issues related to a disaster?
4. Attempt **any two** of the following: 7 x 2
- Describe disaster management cycle.
  - What are the roles and responsibilities of government in disaster risk reduction.
  - What are the roles and responsibilities of NGOs and other stake holders in disaster risk reduction
5. Attempt **any one** of the following: 14 x 1
- What are the impact of development projects and environmental modifications?
  - Explain the key activities in response phase of disaster.