

8E1860Roll No. **37**Total No. of Pages: **2****8E1860****B. Tech. VIII - Sem. (Main) Exam., June - 2023****Open Elective-II****8TT6-60.2 Open Elective-II Disaster Management****Time: 3 Hours****Maximum Marks: 120****Min. Passing Marks: 42***Instructions to Candidates:*

Attempt all ten questions from Part A, five questions out of seven questions from Part B and four questions out of five from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing may suitably be assumed and stated clearly. Units of quantities used /calculated must be stated clearly.

*Use of following supporting material is permitted during examination.
(Mentioned in form No. 205)*

1. NIL2. NIL**PART – A****[10×2=20]****(Answer should be given up to 25 words only)****All questions are compulsory**

- Q.1 What is Disaster and its management system?
- Q.2 Give type of disasters.
- Q.3 What are social issues regarding Hazards?
- Q.4 Which pandemic affects badly world over recently?
- Q.5 What contributions society can contribute in disaster management?
- Q.6 What are Geological based disasters?
- Q.7 Which type of disaster developed due to increased Traffic in present times?

- Q.8 What is disaster mitigation?
Q.9 What are Textile Industry based Hazards?
Q.10 What is Tsunami?

PART – B

[5×8=40]

(Analytical/Problem solving questions)

Attempt any five questions

- Q.1 • What are Hydro-metrological based disaster and how can it may controlled?
Q.2 • Write a note on Forest fires and their affects.
Q.3 What is Volcanic Eruptions? What are its causes and effects?
Q.4 • Describe the industrial hazards.
Q.5 What measures society can take to minimize environmental related issues?
Q.6 • How major power break downs may be controlled?
Q.7 • What do understand by disaster vulnerability?

PART – C

[4×15=60]

(Descriptive/Analytical/Problem Solving/Design Questions)

Attempt any four questions

- Q.1 • Discuss type of disasters with example and their management cycles.
Q.2 What are Hearth Hazards and their causes, enlist reasons and suggest solutions?
Q.3 • What is water pollution treatment plant in Textile processing industry and what is the roll of management?
Q.4 • Write a note on Air pollution with examples related to recent issues.
Q.5 • Discuss reasons of flood & cloud burst as well as drought in present times.
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