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8E1907

Roll No. _____

Total No. of Pages: **2****8E1907****B. Tech. VIII-Sem. (Main/Back) Exam. April-2026****Civil Engineering****8CE4-01 Project Planning and Construction Management****Time: 3 Hours****Maximum Marks: 70***Instructions to Candidates:*

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

Schematic diagrams must be shown wherever necessary. Any data you feel missing 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 project planning?
Q.2 Define risk cost management.
Q.3 What is project scheduling?
Q.4 Define work breakdown structure.
Q.5 Define direct cost.
Q.6 What is arbitration?
Q.7 Define a contract.
Q.8 What is Environmental Impact Assessment (EIA)?

Q.9 What is resource leveling?

Q.10 What is total float?

PART – B

[5×4=20]

(Analytical/Problem solving questions)

Attempt any five questions

- Q.1 Explain the main causes of project failure.
- Q.2 Discuss the functions of project management.
- Q.3 Differentiate between PERT and CPM.
- Q.4 Explain work breakdown structure with an example.
- Q.5 Differentiate between resource smoothing and resource leveling.
- Q.6 Discuss lump sum and scheduled contracts.
- Q.7 Explain safety measures for hot bituminous works.

PART – C

[3×10=30]

(Descriptive/Analytical/Problem Solving/Design Questions)

Attempt any three questions

- Q.1 Explain various stages and steps involved in project planning. Discuss the main causes of projects failure.
 - Q.2 Describe the objectives and functions of construction project management in detail.
 - Q.3 Discuss important conditions of contract and explain the advantages of arbitration.
 - Q.4 Explain direct and indirect project costs with the help of a graph showing their variation with time. Discuss steps in resource allocation.
 - Q.5 Discuss causes and prevention of accidents at construction sites. Explain safety measures for demolition works.
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8E1960

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8E1960

B. Tech. VIII-Sem. (Main/Back) Exam. April-2026

Textile Technology (Open Elective-II)

8TT6-60.2 Disaster Management

Time: 3 Hours

Maximum Marks: 70

Instructions to Candidates:

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

Schematic diagrams must be shown wherever necessary. Any data you feel missing 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 Discuss the objective of the course of Disaster Management.
- Q.2 Define hazard and disaster.
- Q.3 Explain power outage.
- Q.4 Define meteorological drought.
- Q.5 Differentiate natural and man-made disasters.
- Q.6 What are the different types of Tsunami warning systems?
- Q.7 Discuss the term “Risk” and “Vulnerability” related to disaster.

- Q.8 Define geological based disasters.
Q.9 Describe the mitigating of disaster.
Q.10 What are the major causes of disaster?

PART – B

[5×4=20]

(Analytical/Problem solving questions)

Attempt any five questions

- Q.1 What are the different phases of the disaster management cycle?
Q.2 Elaborate the preventive measures to avoid road accidents.
Q.3 Brief on the different hazards associated with earthquakes.
Q.4 What are the three major types of volcanoes?
Q.5 Discuss the fire hazards and its preventive measures.
Q.6 Describe the preventive measures due to landslides.
Q.7 Discuss the roll of production people in Disaster Management.

PART – C

[3×10=30]

(Descriptive/Analytical/Problem solving/Design questions)

Attempt any three questions

- Q.1 Explain the disasters related social and environmental issues.
Q.2 Explain the Hydro-meteorological based disasters.
Q.3 Discuss the different hazards associated with the textile industry in detail.
Q.4 Explain different causes and mitigation measures for tsunami.
Q.5 Discuss the impact and preventive measures for disaster.
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