

Please check that this question paper contains 9 questions and 1 printed page within first ten minutes.

[Total No. of Questions: 09]

[Total No. of Pages: 1]

Uni. Roll No.

Program: B. Tech.
Semester: 5th
Construction Engineering & Management
Subject Code: PCCE-111
Paper ID: 16388

Time Allowed: 02 Hours

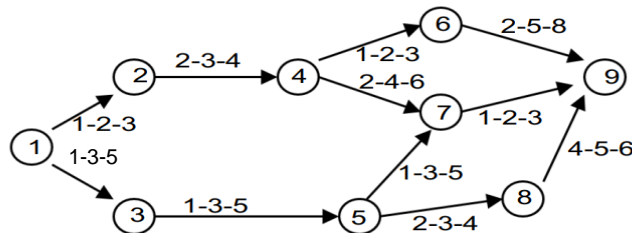
Max. Marks: 60

NOTE:

11-01-2022(E)

- 1) Each question is of 10 marks.
- 2) Attempt any six questions out of nine
- 3) Any missing data may be assumed appropriately

- Q1.** Explain the phases of a project during construction.
- Q2.** Describe modular construction methods for repetitive works.
- Q3.** Explain concrete mixing, transporting & placing.
- Q4.** What is materials planning, procurement and inventory control?
- Q5.** Explain resource aggregation, allocation, smoothing and levelling.
- Q6.** Describe use of building information modelling in project management.
- Q7.** The three time estimates are given for the project shown below.
Calculate
(a) average time for each event (b) earliest expected time for each event
(c) latest allowable occurrence time for each event (d) critical path



- Q8.** What are causes of delays and their penalties and liquidated damages?
- Q9.** Explain causes of accidents their effects and preventive measures.
