

Total No. of Questions : 8]

SEAT No. :

PE-4234

[Total No. of Pages : 3

[6582]-5

S. E. (Civil)

PROJECT MANAGEMENT

(2019 Pattern) (Semester - IV) (201012)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates :

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.
- 2) Neat diagrams where necessary.
- 2) Figures to the right indicate full marks.
- 3) Assume suitable data if necessary.

- Q1)** a) Explain any six safety programmes that you are going to implement on construction of a Tunnel site _____ [6]
- b) Explain what do you understand by fleet management. [6]
- c) The construction company situated in Pune is in Sus. The annual demand for the correct is 3500 units. The unit cost is 8 Rs and the inventory carrying cost is 25% of the average inventory cost. If the cost of procurement is Rs 75. Determine [6]
- i) Economic order quantity
 - ii) Number of orders per Annum
 - iii) Total cost of purchasing

OR

- Q2)** a) Define the term [6]
- i) Lead time
 - ii) Procurement
 - iii) Indents
 - iv) ABC
- b) Explain the various factors to be considered for an equipment management of a construction of an flyover. [6]
- c) Give an site layout of a construction site you have visited and explain any 4 points of the site layout. [6]

P.T.O.

- Q3)** a) Explain what do you understand by Earned Value Analysis. [6]
b) State various methods of project monitoring. Explain any one in brief. [6]
c) What are the various benefits of project management software. [6]

OR

- Q4)** a) Explain the case study that you have studied for a small project and explain any 6 Activities. [6]
b) Explain what do you understand by Network crashing. [6]
c) Differentiate between Primavera & MS project. [6]

- Q5)** a) Explain the law of Diminishing Marginal utility with suitable example. [6]
b) Explain the various sources of project finance. [6]
c) A Reputed construction company borrowed Rs 15,00,000 Lakhs from State Bank of India Katraj Branch for its Industrial project. They have to pay 12% interest P.A. for 6 years. Find out the total Amount to be paid by the construction company after 6 years by Compounding Interest & Simple Interest. [5]

OR

- Q6)** a) Define the terms [6]
i) Cost
ii) Value
iii) Price
iv) Rent
v) Simple interest
vi) Compound interest
b) Write short note on Equity Share and Debentures. [6]
c) Rushi purchased a car for Rs 3,20,000 he spend Rs 20,000 for Repair and 10,300 for other. At what price should he sell the car to cost earn the profit for Rs 15,000. [5]

- Q7)** a) Explain any 6 points for the project selection of a dam. [6]
b) Write short note on [6]
i) Break Even Analysis
ii) Benefit Cost Analysis
c) Explain the Role of Project Manager in Past Tender. [5]

OR

- Q8)** a) Explain IRR method with formula and selection criteria. [6]
b) Write short note on [6]
i) Social Appraisal
ii) Economical Appraisal
c) Explain pay back period method with formula and suitable method. [5]