

Total No. of Questions : 10]

SEAT No. :

P3254

[Total No. of Pages : 2

[5670] 522

B.E. (Civil)

CONSTRUCTION MANAGEMENT

(2015 Pattern) (Elective - IV) (401010A) (End Sem.)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer any one from questions Q.No.1 or Q.No.2, Q.No.3 or Q.No.4, Q.No.5 or Q.No.6, Q.No.7 or Q.No.8 and Q.No.9 or Q.No.10.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

- Q1)** a) Discuss various factor affecting Project Scheduling. [5]
b) Explain the term Project Management Consultancy. [5]

OR

- Q2)** a) Explain in detail Profit loss account statement. [5]
b) Explain the Lone of Balance technique. [5]

- Q3)** a) What is the aim of Method Study? Describe detail Procedure followed in method study. [5]
b) Write a short note on 'Need of Working Capital'. [5]

OR

- Q4)** a) Draw Work Breakdown structure of Dam Project. [5]
b) Explain the role of Project Management consultants in Tunneling project. [5]

- Q5)** a) What are the steps involved in Mitigation of Risk? [6]
b) Write short note on Sensitivity analysis and Break even analysis. [6]
c) What are methods of Risk Management? Explain any one. [6]

OR

- Q6)** a) Write note on Energy cost escalation and its Impacts. [6]
b) What are the advantages of Value Analysis. [6]
c) Write note on Simulation analysis and Decision tree analysis. [6]

P.T.O.

Q7) a) Explain the role of ERP in Material management with suitable example. [8]

b) Explain the concepts of logistics and Supply chain management in construction management. [8]

OR

Q8) a) Explain Human resource development process. [8]

b) Explain Performance appraisal and Job Evaluation. [8]

Q9) a) Explain in details importance of Artificial Intelligence in Infrastructure Project. [8]

b) Explain applications of Fuzzy logic in Construction sector. [8]

OR

Q10) a) Explain details characteristics of Neural Networks. [8]

b) Discuss in details importance of Genetic Algorithm Tool in Construction Industry. [8]

