

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]

