

Total No. of Questions : 10]

SEAT No. :

P3035

[Total No. of Pages : 2

[5354]-521

B.E. (Civil)

CONSTRUCTION MANAGEMENT
(2012 Pattern) (Semester - II)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Answer Q1 or 2, Q3 or 4, Q5 or 6, Q7 or 8, Q9 or 10.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Assume Suitable data if necessary.*

- Q1)** a) Draw work break down structure of residential building. [4]
b) Discuss various reasons for project cost overrun and suggest few remedies to overcome. [6]

OR

- Q2)** a) How the infrastructure development plays in important role in economic development of nation. [5]
b) Explain the role of Project management consultant on any infrastructure project. [5]

- Q3)** a) Write need and importance of labour laws in construction industry. [5]
b) What are the role and responsibility of project manager on Infrastructure project. [5]

OR

- Q4)** a) Explain the concept of Project Balance sheet. [5]
b) Write as short note on Workman's compensation act 1923. [5]

- Q5)** a) Write short note on any one of following [4]
i) Decision tree analysis.
ii) Simulation analysis.

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- b) What is Risk Mitigation? What are the various methods for mitigation of risks? [6]
- c) What is meaning of value? Explain the concept of value management. [6]

OR

- Q6)** a) Explain the importance of value engineering in value analysis. [6]
- b) What is risk? Enlist various types of risks involved in Tunneling project. [6]
 - c) Explain the concept of value engineering. [4]

- Q7)** a) Explain the role of ERP in Material Management. [6]
- b) Write short note on : [6]
 - i) Buyer-seller relationship
 - ii) Supply chain management
 - c) Explain in detail Codification and Classification of material. [6]

OR

- Q8)** a) Enlist various types of training on construction site and explain any two in detail. [6]
- b) Explain the concept of performance appraisal. Give suitable example. [6]
 - c) A construction company purchases 10000 bags of cement annually. Each bag of cement costing Rs. 325/- and cost of incurred in procuring each lot is Rs. 105/-. The cost of carrying 18%. Find EOQ and its numbers of orders. [6]

- Q9)** a) Explain with example fuzzy logic applications in civil engineering. [6]
- b) Explain Biological neural network. [6]
 - c) Explain the various applications of ANN in civil engineering. [4]

OR

- Q10)** a) Write short note on Genetic algorithm. [6]
- b) What are the applications of Fuzzy logic? [6]
 - c) Differentiate between Biological neuron and artificial neuron. [4]

