

Total No. of Questions : 12]

SEAT No. :

P3306

[Total No. of Pages : 3

[4959]-20

B.E. (Civil)

CONSTRUCTION MANAGEMENT (Elective - III)

(2008 Pattern)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) Answers to the two sections should be written in separate books.*
- 2) Figures to the right indicates full marks.*
- 3) Neat diagrams must be drawn wherever necessary.*
- 4) Use of logarithmic tables, slide rule, electronic pocket calculator and statistical tables is allowed.*
- 5) Assume suitable data, if necessary.*

SECTION - I

- Q1)** a) Explain project monitoring and reporting system at each phase of construction with suitable example. [8]
- b) How Infrastructure development in India has contributed majorly in the country's economic growth? [6]
- c) Explain the necessity & applications of Construction Management.[4]

OR

- Q2)** a) What do you mean by Project Management Consultant? Explain its role in case fly over construction. [8]
- b) What is role of construction industry in economic development? [6]
- c) What are the reasons of project overruns? [4]

- Q3)** a) What are the factors affecting on scheduling? [4]
- b) What is WBS? Explain the WBS levels with suitable example? [6]
- c) Draw & explain a string diagram with suitable example. [6]

OR

P.T.O.

- Q4)** a) List out the various symbols used for different activities. [4]
b) Define work study and explain the procedure of work study. [6]
c) Write a note on Line of balance (LOB) technique with suitable example. [6]

Q5) Write short note on following any four : [16]

- a) Building and other construction workers Act 1996
- b) Child labor act
- c) Capital investment
- d) Means of finance
- e) Profit loss account statement

OR

- Q6)** a) Write the need and importance of labor laws? [4]
b) What are the factors influencing working capital requirements? [6]
c) Explain in detail Workman's compensation Act 1923. [6]

SECTION - II

- Q7)** a) Write the role of insurance in risk management? [8]
b) Explain the concept of value engineering in the context of building construction project. [10]

OR

- Q8)** a) Write the concept of value and detail steps in value analysis? [8]
b) Explain following terms : [10]
i) Break even analysis
ii) Decision tree analysis

- Q9)** a) Define Supply Chain Management (SCM). Explain SCM in context with construction materials management? [8]
b) Explain the concept of performance appraisal and job evaluation. [8]

OR

- Q10)** a) Write down functions of materials management and explain in detail. [8]
b) Describe the human resource management process with suitable example. [8]

- Q11)** a) What are the applications of Artificial Neural networks in construction management? [8]
b) Discuss the concept of Genetic algorithm. [8]

OR

- Q12)** a) What do you understand by Artificial Intelligence? And write its applications in Construction management? [8]
b) Write short note on the following ; [8]
i) Analogy between Biological neuron and Artificial neuron
ii) Fuzzy logic

