

Total No. of Questions : 8]

SEAT No. :

P-7510

[Total No. Of Pages : 2

[6180]-17

T.E. (Civil)

**CONSTRUCTION MANAGEMENT**

**(2019 Pattern) (Semester - I) (301005 C) (Elective - I)**

*Time : 2½ Hours]*

*[Max. Marks : 70*

*Instructions to the candidates :*

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6 and Q7 or Q8.
- 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) Explain the importance of working capital in construction projects. [6]  
b) Explain project cash flow projections. [6]  
c) Explain minimum wages act and building and other construction worker act 1996. [6]

**OR**

- Q2)** a) Explain the project balance sheet with suitable example. [6]  
b) Explain child labor act. [6]  
c) Explain the interstate migrant workers act. [6]

- Q3)** a) What are the steps in risk management? [6]  
b) Write note on mitigation of risk. [6]  
c) Explain simulation analysis. [5]

**OR**

- Q4)** a) Explain break even analysis. [6]  
b) Write short note on role of insurance in construction projects. [6]  
c) State the need of value engineering. [5]

*P.T.O.*

- Q5)** a) What are the objectives of material management? [6]  
b) What is the importance of ERP in material management? [6]  
c) Explain the role of material manager. [6]

**OR**

- Q6)** a) Explain the concept of EOQ in detail. [6]  
b) Explain the various phases of material flow. [6]  
c) What is the importance of inventory control? [6]

- Q7)** a) Write short note on genetic algorithm. [6]  
b) Write short note on training and development. [6]  
c) Write short note on staffing policy and pattern. [5]

**OR**

- Q8)** a) Write short note on compensation and benefits. [6]  
b) What are the applications of fuzzy logic in Civil Engineering? [6]  
c) Explain artificial neural network. [5]

