

Total No. of Questions : 8]

SEAT No. :

PD-4214

[Total No. of Pages : 2

[6403]-7

T.E. (Civil)

**CONSTRUCTION MANAGEMENT**  
**(2019 Pattern) (Semester - V) (301005 C) (Elective - I)**

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Attempt Q.1 Or Q.2, Q.3, or Q.4, Q.5 or Q.6, Q.7, or Q.8.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume Suitable data if necessary.

- Q1)** a) Explain Building and other Construction Workers act 1996? [6]  
b) What are the Significance of Project Balance Sheet and its Use? [6]  
c) Explain Profit loss account statement. [6]

OR

- Q2)** a) Explain needs and importance of Labour laws in the Field of Civil Engineering. [6]  
b) Write Note on Working Capital. [6]  
c) Explain minimum wages of ACT 1948. [6]

- Q3)** a) Write short Note on Risk Control in Construction. [6]  
b) How Mathematical model will be useful in Risk Management. [6]  
c) State the application of Value Engineering. [6]

OR

- Q4)** a) Write Short note on Break even analysis and Sensitivity analysis. [6]  
b) Explain energy cost escalation and its impact on infrastructure project. [6]  
c) Explain principle of risk Management. [6]

P.T.O.

- Q5)** a) Explain supply Chain Management in Construction. [6]  
b) Explain in detail Role of ERP in material management. [6]  
c) Write short note on material resource information systems. [5]

OR

- Q6)** a) Write note on break even analysis. [6]  
b) Explain inventory control methods. [6]  
c) Role of material management in construction Industry. [5]

- Q7)** a) Explain the importance of Human Resource Management in Construction Industry. [6]  
b) Explain nature and scope of human resource management. [6]  
c) Discuss in detail importance of Genetic Algorithm tool in construction industry. [5]

OR

- Q8)** a) Explain Human Resource development process. [6]  
b) Write note on human resources information systems. [6]  
c) Explain Fuzzy Logic and its application in Civil engineering. [5]

