

Total No. of Questions : 10]

SEAT No. :

**P3564**

**[5560]-507**

[Total No. of Pages : 2

**T.E.(Civil)**

**PROJECT MANAGEMENT AND ENGINEERING ECONOMICS  
(2015 Course) (Semester - II)**

*Time : 2½ Hours]*

*[Max. Marks : 70*

*Instructions to the candidates:*

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10.
- 2) Neat diagrams must be drawn whenever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

**Q1)** a) Discuss in detail importance of project management in construction industry. [5]

b) Explain significance of organizational Structure in Management. [5]

OR

**Q2)** a) Explain in detail Work Breakdown Structure with suitable example. [5]

b) Explain the key features of PMBOK. [5]

**Q3)** a) Draw the network diagram and make out critical path [5]

Activity	Duration
1-2	3
1-3	2
1-4	6
2-4	5
2-5	7
3-4	2
4-5	4

b) What are the objectives of Materials Management? Explain any two.[2+3]

OR

**Q4)** a) What do you mean by Inventory Control? How it can be achieve.[3+2]

b) Write a short note on Site Layout with sketch. [5]

**P.T.O.**

- Q5)** a) Explain the use of Project Management Softwares in Construction Industry. [6]  
b) Explain steps in Project Monitoring. [4]  
c) Explain the steps in project scheduling for a construction of road project. [8]

OR

- Q6)** a) Explain Resource Allocation, write steps in resource smoothening and leveling. [5]  
b) What are the methods in Project Monitoring? Explain any one. [2+3]  
c) Explain the terms [8]  
i) Network Crashing,  
ii) Resource optimization

- Q7)** a) Explain the Project Economics and its importance in Construction Industry. [6]  
b) Explain the Law of Demand and Elasticity of Demand. [6]  
c) What are the factors affecting on Price Determination? [4]

OR

- Q8)** a) Difference between Cost, Value. [6]  
b) Explain the types of Capital. [6]  
c) Explain the FDI in Infrastructure. [4]

- Q9)** a) What are the types of Project Appraisals? Explain with example. [8]  
b) Explain in detail the role of Project Management Consultants in Civil Engg. field. [8]

OR

- Q10)** a) Write a short note on [9]  
i) NPV  
ii) IRR  
iii) Pay-Back Period  
b) Explain  
i) Criteria Selection for project [4]  
ii) Detailed Project report [3]

