

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 smoothing 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]

