

SE - 340

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**F.Y. M.Tech. (Civil) (Construction & Management) (Part - I)
(Semester - I) (New) Examination, November - 2019
CONSTRUCTION PROJECT MANAGEMENT**

Sub. Code : 72072

Day and Date : Thursday, 28 - 11 - 2019

Total Marks : 70

Time : 10.00 a.m. to 12.30 p.m.

- Instructions :
- 1) Attempt any two questions from each section.
 - 2) Support your answers with suitable civil engineering works & suitable sketches.
 - 3) Figures to the right indicate full marks.
 - 4) Assume suitable data if necessary and mention it.

SECTION - I

- Q1) a)** State the various organizational structures in construction industry? Explain any one in detail. [9]
- b)** Write short notes on [8]
- i) ABC analysis
 - ii) EOQ
- Q2) a)** Explain material management with respect to following points. [9]
- i) Estimation
 - ii) Procurement
 - iii) Storage
- b)** Write short notes on [8]
- i) Performance appraisal
 - ii) Labour laws
- Q3) a)** Explain personnel management with respect to following points [9]
- i) Manpower planning.
 - ii) Recruitment.
 - iii) Training
- b)** State & explain the points to be considered while preparing site layout. Explain also services required on construction site. [9]

P.T.O.

SECTION - II

- Q4) a) Discuss any two Statistical Quality Control charts with a suitable example from construction industry. [9]
- b) What safety requirements should be adopted on a Tunnel construction site. [8]
- Q5) a) What preventive measures you can suggest for accident prevention on a construction site. [9]
- b) Explain concept of work study in detail. [8]
- Q6) a) Explain any three sampling techniques with respect to paving block manufacturing industry. [9]
- b) Write short notes on any three [3 × 3 = 9]
- i) \bar{X} chart.
 - ii) ISO : 9000.
 - iii) Work study objectives.
 - iv) Computer applications in construction project office.

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