

Seat No.	
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**M.E. (Civil) (Construction & Management) (Part - I) (Semester - I)**  
**Examination, April - 2016**

**PLANNING AND MANAGEMENT OF PROJECTS**

**Sub. Code : 34320**

**Day and Date : Wednesday, 27 - 04 - 2016**

**Total Marks : 100**

**Time : 10.30 a.m. to 01.30 p.m.**

- Instructions :**
- 1) Attempt any three questions from each section.
  - 2) Figures to the right indicate full marks.
  - 3) Make suitable assumptions wherever necessary and mention them clearly.

**SECTION - I**

- Q1) a)** Draw a typical layout plan for construction of multistoried building in a congested city area. Also explain the various services required at that site. **[10]**
- b)** Explain functional organizational structure in detail. **[6]**
- Q2) a)** Discuss the importance of material management in construction industry. **[8]**
- b)** What is ABC analysis? Explain in detail. **[8]**
- Q3) a)** Discuss how recruitment is done in construction projects. Explain the procedure of selection. **[8]**
- b)** What are the principles of inspection related to construction projects? **[8]**
- Q4) Write short notes on any three : [18]**
- a) Quality circles.
  - b) Multiple sampling plans.
  - c) Control charts for variables.
  - d) Manpower planning in construction industry.

**P.T.O.**

**SECTION - II**

- Q5) a)** Describe the salient features of construction industry that affects the safety of workers. [8]
- b)** Write a detailed note on economic aspects of safety in construction industry. [8]
- Q6) a)** Explain the role of CPM in monitoring the construction - projects. [8]
- b)** What is resource smoothening and resource leveling? Discuss in detail. [8]
- Q7) a)** What is method study? Describe anyone recording technique suitable for method study on construction site. [8]
- b)** Explain the use of computers in effective construction projects management. [8]
- Q8) Write notes on any three :** [18]
- a)** Office Automation on project sites.
- b)** Network compression.
- c)** Acts and Laws related to safety.
- d)** Work study.

