

M.E. First Semester (Civil Engineering (Construction Engg. & Managt.)) (CGS)  
**13062 : Construction Project Planning & Management : 1 CM 01**

P. Pages : 1

Time : Three Hours



**AW - 3512**

Max. Marks : 80

- Notes :
1. All question carry equal marks.
  2. Answer **three** question from section "A" and **three** question from section "B"
  3. Assume suitable data wherever necessary.
  4. Due credit will be given to neatness and adequate dimensions.
  5. Illustrate your answer necessary with the help of neat sketches.

**SECTION - A**

1. Explain various types of estimate of construction project, cost and value management of construction project. **13**
2. Explain with suitable examples in detail. **14**
  - i) Work break down structure
  - ii) Critical path
  - iii) Free float
  - iv) Total float
  - v) Independent float
  - vi) Dummy Activity
  - viii) Slack time
3. Discuss in brief company cash flow diagram and project cash flow diagram comparing them. **13**
4. Differentiate between CPM and PERT in detail with suitable example. **13**
5. What is construction project management and its relevance to construction industry. **13**

**SECTION - B**

6. Explain importance of project scheduling and what are steps for Resource allocation. **13**
7. Explain construction project claims and mechanism of dispute. **13**
8. Explain bidding and estimation practice. **13**
9. Explain function of computer application in scheduling and management. **14**
10. Explain in detail typical project success and failure attributes. **13**

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