

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
FIRST SEMESTER M. TECH DEGREE EXAMINATION
Structural Engineering and Construction Management
(Civil Engineering)

04 CE 6413 - CONSTRUCTION PLANNING, SCHEDULING AND CONTROL

Max. Marks: 60

Duration: 3 Hours

PART A

Answer All Questions

Each question carries 3 marks

1. Define work tasks.
2. Define the terms (a) earliest start time , (b) latest finish time , (c) dummy activity
3. What are the uses of advanced scheduling techniques?
4. What are the disadvantages of PERT with respect to the uncertain durations in scheduling
5. What are the components of financial accounting system?
6. Comment on the importance of schedule and budget updates?
7. Explain the terms (a) consumer's risk and producer's risk, (b) batch?
8. What are the importance of quality and safety concerns in construction?

PART B

Each question carries 6 marks

9. How can we estimate the duration of an activity?
OR
10. Write short note on the Coding System in construction industry?
11. Define activity float? Explain different types of float with relevant equations?
OR
12. Explain the relevance of construction schedules in construction industry?
13. Comment on resource oriented scheduling with resource constraints and precedences?
OR
14. What are the relevance of using resource oriented scheduling?
15. What all things should be taken care of while scheduling a poorly structured problems?
OR
16. Explain in detail the calculations of Monte Carlo schedule simulation?
17. Comment on financial accounting systems and cost accounts?
OR
18. Comment on the importance of updating schedule and budget?
19. Explain in detail statistical methods of quality control?
OR
20. Explain in detail about the Total Quality Control.