

Register No.: ..... Name: .....

**SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)**

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

**FIRST SEMESTER M.TECH DEGREE EXAMINATION (Regular), FEBRUARY 2022***(Structural Engineering and Construction Management)***(2021 Scheme)****Course Code : 21SC105-B****Course Name: Construction Planning, Scheduling and Control****Max. Marks : 60****Duration: 3 Hours****PART A***(Answer all questions. Each question carries 3 marks)*

1. Justify the statement " Choices of appropriate technology and methods for construction are critical ingredients in the success of the project".
2. What are the uses of advanced scheduling techniques?
3. What should be the practical approach to evaluated the problems encountered in the construction industry?
4. What are the elements of project status report?
5. What are the importance of quality and safety concerns in construction?
6. What are the differences between the statistical quality control method with sampling by attributes and with sampling by variables?
7. Explain the hierarchical model for organising databases.
8. List out the advantages of having the Centralized Database Management Systems.

**PART B***(Answer one full question from each module, each question carries 6 marks)***MODULE I**

9. What are the relevance of using resource oriented scheduling? (6)

**OR**

10. Describe in brief the various ways you can present the project schedule. (6)

**MODULE II**

11. Explain various steps taken in scheduling with uncertain durations? (6)

**OR**

12. Explain the relevance of improving scheduling process in construction industry? (6)

**MODULE III**

13. Explain in detail the things to be considered while scheduling a poorly structured problem? (6)

**OR**

14. Explain in detail the influence of crashing in Time/Cost trade offs. (6)

**MODULE IV**

15. Comment on the importance of schedule and budget updates? (6)

**OR**

16. Comment on financial accounting systems and cost accounts? (6)

**MODULE V**

17. Justify the importance of total quality control in construction management. (6)

**OR**

18. Discuss the importance of safety in construction planning? (6)

**MODULE VI**

19. Discuss the importance of organising information in the databases? (6)

**OR**

20. What is the role of having accuracy in project information's. (6)

\*\*\*\*\*