5TH SEM /COMPUTER SCIENCE & ENGINEERING/2020(W)OLD
CST502 Software Engineering.

Full Marks: 80 Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
   a. Define structured analysis.
   b. What do you mean by Debugging?
   c. Define software quality management system.
   d. What is Gantt chart?
   e. State how performance of a system is evaluated.
   f. What is scheduling?
   g. What are transform and transaction analysis?
   h. Define Fan-in and Fan-out.
   i. Define project planning.
   j. What is Error seeding?

2. Answer **Any Six** Questions 6 x 5
   a. List out software life cycle models. Explain working of Classical water fall model.
   b. What are the risks associated with software project management? Explain Risk Management.
   c. Explain the contents of a good SRS document and write the characteristics of a good SRS document.
   d. What are the symbols used in DFD? Write the steps for developing DFD model of a system by taking a suitable example.
   e. What is Integration testing? Explain Phased and Incremental integration testing.
   f. State and explain Cod review concepts.
   g Explain the organisational structure and Team structure used by software developing firms.

3 Define User Interface. State the characteristics of a good interface. Explain different types of user interface. 10

4 Why Software testing is required? Explain Black box and White box testing. 10

5 What do you mean by Software reliability? Describe different types of reliability matrices used in software engineering. 10

6 What are the characteristics of a good Software design? Explain Cohesion and Coupling. 10

7 State and explain the working of COCOMO Model. 10

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