Exam.Code:0915
Sub. Code: 33425

2076

B. E. (Computer Science and Engineering)

Third Semester

CS-305: Software Engineering

Time allowed: 3 Hours Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.

x-x-x

1. Attempt the following:-
   a) Write two characteristics of a good SRS document.
   b) What is DFD?
   c) Why are coding conventions important?
   d) What are the activities in Project Management?
   e) What is COCOMO-II? (5x2)

UNIT - I

2. What is a prototype model? Under what circumstances is it beneficial to construct a prototype model? (10)

3. Define Cohesion and Coupling in the context of design. Also explain different type of Cohesion and Coupling used in modular design. (10)

4. Define SRS. Also list desirable characteristics of a good SRS document. (10)

UNIT - II

5. What do you mean by process planning and project scheduling? Also discuss size estimation methods. (10)

6. Explain Unit Testing & Integration Testing with suitable diagram. (10)

7. Explain in detail the concept of metrics for the analysis model in software engineering. Why are these metrics important? (10)

x-x-x