

Exam. Code : 105703

Subject Code : 1555

B.Sc. (IT) Semester—III
SYSTEM ANALYSIS & DESIGN
Paper—III

Time Allowed—3 Hours] [Maximum Marks—75

Note :— Attempt any **FIVE** questions. All questions carry equal marks.

1. (a) Discuss the various phases of software development in brief. 7.5
(b) What are case tools in Software Engineering? Explain. 7.5
2. Explain the constructive cost model (COCOMO) used for determining the software cost estimate. 15
3. (a) What are the responsibilities of System Analyst? 7.5
(b) What is modular design? Explain the coupling and cohesion in brief. 7.5
4. Discuss various steps in System Implementation Process. Explain by taking an example. 15
5. Define the following :
(a) Quality Assurance
(b) Risk Management. 7.5,7.5

6. What is the importance of documentation? Write a short note on documentation tools. 15
7. Write a short note on software testing. Discuss top down and bottom up approach in testing. 15
8. Explain the role of software maintenance in software engineering. 15

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