

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

513(2116)/RRA-4460

(Contd.)

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