

FACULTY OF ENGINEERING

B.E. 4 / 4 (CSE) I - Semester (Supplementary) Examination,
May/June 2007

Subject: **Software Engineering**

Time : 3 Hours

Max. Marks: 75

Note: Answer all questions of Part - A and
answer any FIVE questions from Part - B.

PART-A (25 Marks)

1. Define Software and Software Engineering. 2
2. Give the characteristics of software. 3
3. Define and explain Modularity. 2
4. List some of the design techniques. 3
5. Differentiate the verification and validation. 2
6. Define Alpha and Beta testing. 3
7. Explain Reengineering and Reverse Engineering. 3
8. Write down about function point metrics. 2
9. Define Redundancy and Fault tolerance. 3
10. What are different quality attributes. 2

PART-B (5 x 10 = 50 Marks)

- 11.a. What is structured approach. Discuss this approach to requirement analysis. 5
- b. Discuss briefly the software configuration management. 5
- 12.a. What are different fundamental design concepts? Explain. 5
- b. Discuss the functional testing and structural testing. 5
- 13.a. What is the documentation. Explain its importance. 5
- b. Explain briefly Walkthroughs and Inspections. 5
- 14.a. What is software maintenance? Explain. 5
- b. Discuss process attributes and product attributes. 5
- 15.a. Write a short notes on Software Quality Assurance plan. 5
- b. What are different case tools? Explain. 5
16. Explain about software development life cycle. 10
17. Discuss briefly the white-box testing and block box testing. 10