

B.SC. DEGREE EXAMINATION, APRIL 2018
III YEAR - V SEMESTER
Core Major - Paper VIII - SOFTWARE ENGINEERING & TESTING

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20marks$)

Answer any **TEN** questions

1. Define Software Engineering
2. What are the different phases of Unified Process?
3. Define business process engineering.
4. What do you mean by product engineering?
5. What are the objectives of requirements analysis?
6. Define System engineering.
7. What is a component?
8. Define user interface.
9. Define system testing.
10. State testing objectives.
11. List the set of characteristics that lead to testable software.
12. Define software process.

Section B ($5 \times 5 = 25marks$)

Answer any **FIVE** questions

13. What are the Software engineering layers? Explain.
14. What is requirement elicitation for software? Explain.
15. Write a note on ER diagram.
16. Discuss about golden rules.
17. Discuss the differences between black box and white box testing models.
18. Explain the design quality factors in brief.
19. What are the attributes of good test?

P.T.O.

Section C ($3 \times 10 = 30marks$)

Answer any **THREE** questions

20. Discuss any two process models in detail.
21. What are the requirements engineering process function? Explain them in detail.
22. Explain about data objects, attributes and relationships.
23. What are the different activities in user interface design process? Elaborate each of these activities.
24. Explain in detail about basis path testing.