Roll No. | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 18

B.Tech.(CSE/Electronics & Computer Engg./IT) (2011 Onwards) (Sem.–6)

SOFTWARE ENGINEERING

Subject Code : BTCS-603

M.Code : 71109

Time : 3 Hrs. **Max. Marks : 60**

INSTRUCTION TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

Answer briefly :

1. What are functional requirements?
2. Discuss advantages of spiral model.
3. What are merits of Waterfall model?
4. What is role of DFD?
5. Define cohesion?
6. What is a good user interface?
7. What is reliability growth model?
8. Define unit testing.
9. Discuss computer aided software engineering.
10. What is reusability in software engineering?

SECTION-B

11. Explain the need of software life cycle models in Software Engineering.

12. Write the importance of UML in developing object oriented software.

13. Why code review is required? Discuss any technique for code review.

14. How test coverage is -helpful in measuring the effectiveness of the testing?

15. How SEI CMMI helps to improve software development process?

SECTION-C

16. Explain the software requirement analysis and specification. Discuss various methods for requirement gathering.

17. What is the process of software testing? Explain the different testing methods illustrating their importance.

18. What do you mean by project scheduling? How PERT charts are used to plan the scheduling of project?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.