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

Total No. of Questions : 18

B.Tech. (CSE / IT)　　(Sem.–6)

SOFTWARE ENGINEERING

Subject Code : BTCS-603
M.Code : 71109
Date of Examination : 07-07-22

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. Differentiate between cohesion and coupling.

2. In which scenario structure chart will be considered a better choice than DFD?

3. What is the significance of software reuse?

4. How risk analysis helps in software development?

5. Why do we need to create SRS document?

6. Prerequisites to draw GANTT chart.

7. List the various software reliability metrics.

8. Define test case.

9. What is the need of technical feasibility study?

10. List various non-functional requirements for software.

SECTION-B

11. Which methodology is used to analyze viability of software to be developed? Discuss its types.

12. How object-oriented software development is better than traditional development methods?

13. Differentiate between DFS and structure chart. Draw a DFD elaborating working of software for event ticket booking.

14. What are different test case design techniques? Discuss.

15. Why do we need formal process for software development? How it helps in standardization of software's across the world.

SECTION-C

16. What are the various steps involved in spiral model? Explain and compare it with water fall model.

17. Why testing is necessary for software's? What are the different methods to test software?

18. Write short note on following :

a) Cost estimation

b) Coding standards

c) Software requirement specification.

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.