

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (CSE) (Sem.-5)
SOFTWARE ENGINEERING

Subject Code : BTCS-503-18

M.Code : 78322

Date of Examination : 02-01-23

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS 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

1. Write briefly :

- What do you mean by software configuration management?
- Differentiate between verification and validation.
- What is cyclomatic complexity?
- How two processes are joined in DFD?
- What is software reuse?
- What is test coverage?
- What is SRS?
- Define feasibility study.
- What is data dictionary?
- Define coding standards.

SECTION-B

2. What is the Difference between Gantt and PERT Chart? Explain with the help of an example.
3. Differentiate between functional and non-functional requirements and explain them.
4. Explain component-based software development.
5. Explain the scheduling of software project.
6. Explain the waterfall model with the help of diagram.

SECTION-C

7. Explain black box testing methods and its advantages and disadvantages.
8. Explain Water fall Model. What are the problems that are sometimes encountered when the waterfall model is applied?
9. What are the characteristics of a good design? Describe different types of coupling and cohesion. How design evaluation is performed?

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.