

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

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

Subject Code : BTIT-504-18

M.Code : 78259

Date of Examination : 18-06-2024

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 :

- (a) Write at least two advantages of waterfall model.
- (b) What do you mean by Non-functional Requirements?
- (c) Define the terms modularity and layering.
- (d) What do you mean by coding standards in software engineering?
- (e) Explain in brief about mutation testing.
- (f) List various software reliability metrics.
- (g) Explain the purpose of Gantt charts.
- (h) What is the need of Software Project Management?
- (i) Write advantages of Software reuse.
- (j) What is SEI CMMI in Software Engineering?

SECTION-B

2. Write a detailed note on Feasibility study.
3. Explain in detail about DFD.
4. Write a detailed note on black box testing.
5. Write a detailed note on project scheduling using PERT.
6. Explain in brief about Software maintenance.

SECTION-C

7. Write a detailed note on Evolutionary Model.
8. Write a detailed note on Static and Dynamic Analysis.
9. Write a detailed note on Component based Software Development.

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.