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

Total No. of Questions : 18

B.Tech. (IT)   (Sem.–5)
SOFTWARE ENGINEERING
Subject Code : BTIT-504-18
M.Code : 78259

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

Write briefly :

1) Define Software Engineering.

2) What do you mean by feasibility study? Explain.

3) Explain in brief about cohesion in reference to software design.

4) What do you mean by coding standards in software engineering.

5) What are the fundamentals of software testing? Explain in brief.

6) Explain in brief about mutation testing.

7) What is the need of Software Project Management? Explain.

8) Explain in brief about quality management.

9) What do you mean by software reuse? Explain.

10) What is SEI CMMI in software engineering?

SECTION-B

11) Differentiate functional and Non-functional requirements.

12) Explain the concept of static and dynamic analysis in detail.

13) Explain in detail about Project Planning and Control.

14) Write a detailed note on Cost estimation in reference to software project management.

15) Explain in detail about Software reliability metrics.

SECTION-C

16) Write a detailed note on the following software life cycle models :

(a) Waterfall

(b) Evolutionary

17) Write a detailed note on DFD and Structure chart.

18) Explain in detail about Computer aided software engineering.

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.