

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.