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Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (CSE) (Sem.-5)
SOFTWARE ENGINEERING
Subject Code : BTCS-503-18
M.Code : 78322

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) Write two advantages of waterfall model of software life cycles.
- 2) What do you mean by requirement gathering?
- 3) Differentiate between coupling and cohesion.
- 4) What are the basic issues in software design?
- 5) What are the fundamentals of testing? Explain in brief.
- 6) Explain in brief about Black-box testing.
- 7) What is project planning and control?
- 8) What is the difference between PERT and GANTT charts in reference to project scheduling?
- 9) Explain in brief about PSP.
- 10) What is SEI CMMI in software engineering?



SECTION-B

- 11) Write a detailed note on waterfall model of software life cycle.
- 12) Explain in detail about user interface design.
- 13) Write a detailed note on Software Reliability metrics.
- 14) Write a detailed note on Rayleigh-Norden results.
- 15) What do you mean by software maintenance? Explain in detail.

SECTION-C

- 16) Explain in detail about Code standards and Code review techniques.
- 17) Explain in detail about component-based software development.
- 18) Write a detailed note on Requirements analysis and 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.