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Total No. of Pages : 02

Total No. of Questions : 18

B.Tech.(CSE / IT / ECE) (2012 to 2017) (Sem.–6)

**SOFTWARE ENGINEERING**

Subject Code : BTCS-603

M.Code : 71109

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**

**Answer briefly :**

1. Write at least two disadvantages of waterfall model.
2. Explain in brief about feasibility study.
3. Explain the term modularity in brief.
4. Explain in brief about code review.
5. Define the term test case.
6. Explain in brief about white-box testing.
7. Differentiate between Static and dynamic analysis.
8. Explain in brief about cost estimation.
9. Explain in brief about project scheduling
10. Explain in brief about Rayleigh-Norden results.

### **SECTION-B**

11. What do you mean by functional and non-functional requirements? Give at least two examples of each type of requirements.
12. Explain in detail about DFD and structure chart.
13. Write a detailed note on black box testing.
14. Write a detailed note on reliability growth modeling.
15. Write a detailed note on Component-based software Engineering.

### **SECTION-C**

16. Explain in detail about following software life cycle model
  - (a) Spiral Model
  - (b) Evolutionary model
17.
  - (a) Write a detailed note on coding standards.
  - (b) Explain in detail about Software reliability metrics.
18. Write a detailed note on ISO and SEI CMMI.

**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.**