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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 : 08-06-2023

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) Explain the term feasibility study.
- b) Write at least two advantages of Evolutionary model.
- c) Explain the term Cohesion in brief.
- d) Explain at least two uses of Structure chart.
- e) Differentiate between static and dynamic analysis.
- f) Define the term test case.
- g) Explain quality management.
- h) Explain GANTT charts.
- i) Explain the uses of cost estimation.
- j) What is Six Sigma in software engineering? Discuss.

### **SECTION-B**

2. What are the advantages and disadvantages of Spiral Model of software life cycle?
3. Explain in detail about Function oriented software design.
4. Explain in detail about reliability growth modeling.
5. Write a detailed note on white box testing.
6. Write a detailed note on Component based software development.

### **SECTION-C**

7.
  - a) Write a detailed note on functional and non-functional requirements.
  - b) Explain in detail about Requirements Gathering.
8.
  - a) Write a detailed note on coding standards.
  - b) Explain in detail about Object Modeling using UML.
9. Write a detailed note on ISO and SEI CMML.

**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.**