

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

**BCA, DEP (Sem.-4)**  
**SOFTWARE ENGINEERING**

Subject Code : BSBC-401

M.Code : 10066

Date of Examination : 05-07-22

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 SIX questions carrying TEN marks each and students has to attempt any FOUR questions.

**SECTION-A**

**1. Answer briefly :**

- a) What is waterfall model?
- b) What are role of Measurement?
- c) Write the use of DFD.
- d) Discuss the concept of object oriented design.
- e) What is fourth generation technique?
- f) Explain COCOMO model.
- g) Define concept of Verification.
- h) When system testing is used?
- i) Discuss forward engineering.
- j) Write about software process.

## SECTION-B

2. Explain spiral model for software life cycle and write its phases.
3. Describe the need and steps of requirement analysis in software engineering.
4. Explain the design principles. What is the role of object oriented concepts?
5. Give the introduction of test case design. Discuss the importance of System Testing.
6. Define Software reengineering. Write its applications in software development.
7. What is meant by CASE tool? How is it used in software applications?

**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.**