Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 07

B.Sc. (IT)   (Sem.–3)
SOFTWARE ENGINEERING
Subject Code : UGCA-1921
M.Code : 93335
Date of Examination : 20-01-23

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 have to attempt any FOUR questions.**

SECTION-A

1. **Write briefly :**

    a) Discuss Spiral Model in SDLC?

    b) What is Metrics in Software Engineering?

    c) Name any model used for cost estimation.

    d) What is Decision tree?

    e) Write a short note on ER diagram.

    f) Explain object oriented design.

    g) Write role of System analyst.

    h) What is Cohesion?

    i) Discuss software measurement.

    j) Write a short note on unit testing.

SECTION-B

2. What is Software Requirements Specification (SRS)? What are the objectives of Requirement Analysis?

3. What is the purpose of Data Flow diagrams? Give an example of it.

4. What is design process in software engineering? What is the importance of good design?

5. Give the importance of test case design. List different types of testing done during the testing phase.

6. What is Re-engineering of Software? How it is used for recreating a design?

7. Discuss use of Metrics in Software Engineering. How it is used in maintenance?

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.