

ROLL No:

Total No. of Questions: 10

Total No. of Pages: 01

KMS COLLEGE OF IT & MGMT, DASUYA

BCA (Sem-4)

Software Engineering

Time: 1:00 hrs

Max Marks: 25

Instructions to Candidates:

1. Section – A is **COMPULSORY** consisting **FIVE** questions carrying one marks each
2. Section – B contain **THREE** Questions carrying **FIVE**marks each and student have to attempt any **TWO** question.
3. Section – C contain **TWO** questions carrying **TEN** marks each and students have to attempt any **ONE** question.

SECTION – A

1. Explain the various characteristics of software.
2. Differentiate between verification and validation.
3. What is the need of SRS?
4. What is software crisis? Explain.
5. Define system testing?

SECTION – B

6. Explain in detail about life cycle process.
7. Which are the various phases in software process models? Explain them.
8. What are software design methodologies? Explain Architectural design with example

SECTION – C

9. What is testing? What are its objectives? Explain various principles of software testing.
10. What is spiral model? What are its characteristics? Discuss various advantages and disadvantages of spiral model over waterfall model.