

Roll No.

Total No. of Pages : 02

Total No. of Questions : 16

B.Sc. (IT) (Sem.-3)
SOFTWARE ENGINEERING
Subject Code : UGCA-1921
M.Code : 78337

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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 a student has to attempt any FOUR questions.

SECTION-A

Answer briefly:

- 1) What are the fundamental activities of a software process?
- 2) What is ERD?
- 3) What are the merits of Incremental Model?
- 4) What are the benefits of prototyping?
- 5) Differentiate between coupling and cohesion.
- 6) What are attributes?
- 7) Define Data Dictionary.
- 8) Differentiate between white-box and black-box testing.
- 9) What is the difference between a decision table and a decision tree?
- 10) a) Explain in brief about software reuse.
b) Explain in brief about software reengineering.

SECTION-B

- 11) Write a detailed note on Requirement analysis and specification.
- 12) a) What are the responsibilities of a Software Project Manager?
b) Demonstrate your understanding of umbrella activities of a Software Process.
- 13) What is Software Configuration Management (SCM)?
- 14) Explain in detail about Functional Modeling.
- 15) What are the advantages and disadvantages of Waterfall Model of software life cycle?
- 16) Explain the following :
 - a) Use-Case diagrams
 - b) Software metrics
 - c) CASE

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.