

Roll No.

Total No. of Questions : 07]

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MBA (Sem. - 3rd/4th)
SOFTWARE ENGINEERING
SUBJECT CODE : MB - 683
Paper ID : [C0129]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.

Section - A

Q1)

(10 × 2 = 20)

- a) What are characteristics of Software Engineering?
- b) Who should perform the validation testing the software developer or the software user? Justify.
- c) What are advantages of fourth generation techniques for software development?
- d) What are software quality factors?
- e) What is structure Chart?
- f) What are responsibilities of System Analyst?
- g) What is necessity of System Design?
- h) How project scheduling effects the project management?
- i) What is Software Testing?
- j) What is transaction analysis?

- Q2)** (a) Explain waterfall and spiral model used for SDLC.
(b) Explain the difference between verification and validation?
- Q3)** Give two advantages and two disadvantages of the following specification techniques:
(a) Questionnaires
(b) Client Documents
(c) Observations
- Q4)** (a) Discuss various test strategies at the developers end and user end. Why user involvement in software testing is considered important?
(b) Explain COCOMO model for software cost estimation.
- Q5)** Explain how Software Project Planning is done with respect to WBS and PERT.
- Q6)** (a) How do Data Oriented Designing and Structural Design differ?
(b) Discuss the concept of software prototyping?
- Q7)** Write Short note on
(a) User Interface Design.
(b) Different Levels of Testing.

