

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 02

B.Tech. (Sem. - 6th)

SOFTWARE ENGINEERING

SUBJECT CODE : CS - 308

Paper ID : [A0473]

[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.
- 3) Attempt any **Two** questions from Section - C.

Section - A

Q1)

(10 × 2 = 20)

- a) What do you mean by context level DFD?
- b) What is the principle of Software maintenance?
- c) What do you mean by trial version of software?
- d) What is software technical review?
- e) What is cost benefit analysis?
- f) Differentiate between modular and integration testing?
- g) Differentiate between verification and validation.
- h) How are two processes joined in a DFD?
- i) What is state transition diagram?
- j) What is software portability?

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Section - B

(4 × 5 = 20)

- Q2)** Discuss the spiral model in brief. Also discuss the advantage of prototyping?
- Q3)** Differentiate between data flow diagrams and context free diagrams with the help of suitable examples?
- Q4)** Write a note on risk management and the need of analysis of quality system.
- Q5)** What are various time estimation measures in project management? Explain.
- Q6)** What are the problems associated with software requirement analysis phase? Discuss in brief.

Section - C

(2 × 10 = 20)

- Q7)** What is life cycle of software development? Explain different phases of software life cycle?
- Q8)** What do you mean by software design tools? List different tools available and explain with the help of suitable examples.
- Q9)** Write short notes on the following:
- (a) Architectural Design.
 - (b) DFD.
 - (c) Decision trees.
