

Roll No. ....

Total No. of Questions : 09]

[Total No. of Pages : 02

**B.Tech. (Sem. - 7<sup>th</sup>/8<sup>th</sup>)**  
**SOFTWARE ENGINEERING**  
**SUBJECT CODE : CS - 308 (Elective - II)**  
**Paper ID : [A0443]**

[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 is validation?
- b) What is embedded software?
- c) What is meant by software maintenance?
- d) What is beta testing?
- e) What is the role of creating a test data?
- f) What are limitations of Lines of Code?
- g) What is coupling?
- h) What is 4GL environment?
- i) What software fails?
- j) What are disadvantages of using library routines?

**J-578[8129]**

**P.T.O.**

**Section - B**

(4 × 5 = 20)

- Q2) What are software components?
- Q3) Why is prototype necessary? How does his approach saves the cost and effort?
- Q4) Why the characteristics of requirements play significant role in selecting a model?
- Q5) Describe the procedures to calculate cost-benefit analysis.
- Q6) What is meant by feasibility analysis?

**Section - C**

(2 × 10 = 20)

- Q7) (a) What is the difference between decision table and decision tree?  
(b) What is difference among formal, semiformal and informal methods of software development.
- Q8) (a) Explain various types of COCOMO modes. Explain about the phase wise distribution of efforts.  
(b) What types of errors are likely to be discovered through inspection?
- Q9) (a) What is software quality and quality attributes? What are software quality standards?  
(b) What is the need for software maintenance? How are these maintained for client server architecture environment?

