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B.Tech. (Sem. – 7th/8th)
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?

Section - B

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?

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