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Total No. of Questions : 09] [Total No. of Pages : 02

B.Tech. (Sem. - 6th)

SOFTWARE ENGINEERING

SUBJECT CODE : CS-332 (2k7 Batch)

Paper ID : [A0497]

[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) Role of Software Engineer.

b) Function-point analysis.

c) Project planning.

d) Software configuration management.

e) Data-flow diagram.

f) User Interface Design.

g) Integration testing.

h) Verification versus Validation.

i) Reverse Engineering.

j) Software reuse.

Section - B

(4 × 5 = 20)

Q2) Why is it important to study Software Engineering for a Computer Science student?

Q3) Discuss the Spiral model of software development in brief, giving its merits and demerits.

Q4) What are the different kinds of software development team structures?

Q5) What do you mean by Software process models?

Q6) What is Domain Analysis in context of software reuse?

Section - C

(2 × 10 = 20)

Q7) Define Modularization. Why a system design with high cohesion and low coupling is desired? Also discuss in brief various types of cohesion.

Q8) What is SRS? Explain the various characteristics and components of an SRS.

Q9) Write notes on:

(a) Software Reliability.

(b) Quality management.