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B. Tech. (Sem. – 6th)**SOFTWARE ENGINEERING****SUBJECT CODE : CS – 332 (2007 & On wards Batches)****Paper ID : [A0497]****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**(10 × 2 = 20)**

- Q1)** a) What are the features to be considered in the system model construction?
 b) List out the elements in a computer based system.
 c) How the process model differ from one another?
 d) What is requirement engineering?
 e) What is software quality?
 f) What is system modeling?
 g) What is the objective of project planning?
 h) What is the main advantage of democratic team structure?
 i) What are the basic principles of software testing?
 j) What is done in the maintenance phase?

Section – B**(4 × 5 = 20)**

- Q2)** What characteristics of software make it different from other engineering products (such as Hardware)?
Q3) What are the characteristics of SRS.
Q4) What are the issues with regard to Quality assurance design.
Q5) What is measurement? Explain various types of metrics used in requirement specification.
Q6) What problems may be encountered when %Top-Down integration is chosen.

Section – C**(2 × 10 = 20)**

- Q7)** Point out three important differences between the function-oriented and the object-oriented approaches to software design. Corroborate your answer through suitable examples.
Q8) What are the different types of requirements problems that the analyst usually anticipates and rectifies in gathered requirements? Give examples of each. How does the analyst overcomes these problems?
Q9) Discuss various levels of testing in detail.

