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Total No. of Questions : 09]   [Total No. of Pages : 01

B. Tech. (Sem. – 6th)
SOFTWARE ENGINEERING
SUBJECT CODE : CS – 308
Paper ID : [A0473]

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 is the aim of Software Engineering?
      b)   Distinguish between a program and a software product.
      c)   List two responsibilities of a software project manager.
      d)   List two characteristics of a good SRS document.
      e)   What is informal requirement specification.
      f)   What is cohesion?
      g)   What do you mean by software quality?
      h)   What is programming environment?
      i)   List two advantages of using CASE tools.
      j)   Define software maintenance.

Section – B   *(4 × 5 = 20)*

Q2) Why is SRS document also known as the black-box specification of a system? Explain with example.

Q3) Explain some of the causes and remedies for high coupling between two software modules.

Q4) Explain cost-benefit analysis in brief.

Q5) List the important advantages and disadvantages of a command language-based interface and menu-based interface.

Q6) Explain the various factors involved for quality assurance.

Section – C   *(2 × 10 = 20)*

Q7) Describe the various phases of a software development life cycle?

Q8) What is feasibility study? Explain its various types with example.

Q9) Describe the important features of 3GL and 4GL environments.

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