Code No: G-5210/N/AICTE

FACULTY OF ENGINEERING

B.E. (I.T) V - Semester (AICTE) (Main & Backlog) (New) Examination, February/ March 2025

Subject: Software Engineering

Time: 3 Hours

Max. Marks: 70

Note: (i) First question is compulsory and answer any four questions from the remaining six questions. Each question carries 14 Marks.
(ii) Answer to each question must be written at one place only and in the same order as they occur in the question paper.
(iii) Missing data, if any, may be suitably assumed.

1. a) What is Nature of Software?

   b) Explain about software myths.

   c) Explain about Validating Requirements.

   d) What is Software Architecture?

   e) Brief about SQA Tasks.

   f) What is Basis path testing?

   g) What is Software project Estimation?

2. a) Explain about any two process models with diagram.

   b) Brief about Agility and Agile Process Model.

3. a) Explain about Architecture Styles with Diagram.

   b) Difference between Design Process and Design concepts.

4. a) Explain about Statistical Software Quality Assurance.

   b) Difference between Risk Projection and Risk Refinement.

5. a) Brief about Software Testing Fundamentals.

   b) Explain about White-Box Testing and Black-Box Testing.

6. a) Describe about Software Testing Strategies.

   b) Explain about Art of Debugging.

7. a) Brief about framework for Product Metrics.

   b) Explain about Specialized Estimation Techniques.

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