Code No: E-5771/N/AICTE

FACULTY OF ENGINEERING

B.E. (CSE/CME/AI&DS) V Semester (AICTE) (New)(Main) Examination, February/ March 2023

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) Answers 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 suitably be assumed.

1. (a) Define Software Engineering.
   (b) What are umbrella activities ?
   (c) Write a short notes on translation form Analysis model to Design model.
   (d) What is pattern? Define process patterns.
   (e) Differentiate testing and debugging?
   (f) What do you understand by the term Design Quality.
   (g) List the various kinds of prescriptive models with example of each.

2. (a) Define Agility?
   (b) Explain Adaptive software Development.

3. (a) List various tasks of Requirements Engineering.
   (b) Explain about Inception and Elicitation in detail.

4. (a) Explain Behavioral modeling in detail with an example.
   (b) Define Design process and Design quality.

5. (a) What is software component? Explain different views of software component.
   (b) Explain the golden rules performed in user Interface Design.

6. (a) Explain White Box Testing in detail.
   (b) Write short notes on Alpha and Beta Testing.

7. (a) Explain CMMI. What do the various levels of CMMI represents.
   (b) Describe the Spiral Process model with neat sketch.

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