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Total No. of Pages : 01

Total No. of Questions : 08

M.Tech.(CSE Engg.) (E-II) (Sem.–2)
SOFTWARE ENGINEERING METHODOLOGIES
Subject Code : CS-514
M.Code : 35415

Time : 3 Hrs.   Max. Marks : 100

INSTRUCTION TO CANDIDATES :
1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

1. a) What is modular design? Explain the coupling and cohesion in brief.

   b) Discuss effort distribution across the software cycle.

2. a) Explain some common measures of software complexity.

   b) How Informal and Formal Requirements Specification Languages are used in software Engineering?

3. a) Explain the principle of Feasibility analysis by taking suitable example.

   b) Discuss analysis and design tools used by software designers.

4. Discuss various software reliability models affecting system reliability.

5. a) What is Project planning, monitoring and control?

   b) Write a short note on specification languages used in requirement analysis.

6. Discuss various Quality management plans. What are software Quality standards?

7. Define :

   a) Unified Modelling Language (UML).

   b) File and Data Structure design.

   c) Team Structure.

8. Explain the object-oriented paradigm throughout the entire software development life cycles.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.