Roll No. Total No. of Pages : 01

Total No. of Questions: 08

M.Tech.(IT) (2019 & Onwards)/(CSE Engg.) (2015 to 2019) (Sem.-1) ADVANCED SOFTWARE ENGINEERING

Subject Code: MTCS-101 M.Code: 72629

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 Agile software methodology? How scrum and XP promote the Agile methodology?
 - b) Discuss basic steps in cost and schedule Estimation of Project.
- 2. a) What are Formal Methods? What are the types of Formal Specifications?
 - b) Discuss the use of mathematical notations for formal specifications.
- 3. Define:
 - a) Architectural CBSE Process
 - b) Economics of CRS
- 4. a) Discuss the structure of client server systems.
 - b) Write the ssues related to testing of client server systems.
- 5. Explain the WebE process. Discuss the framework of WebE.
- 6. Discuss how the reverse engineering is used to derive the design or specification of a system from its source code.
- 7. Define:
 - a) Certification and Assessment
 - b) Six Sigma concept for software quality
- 8. a) Explain the components of CASE tools.
 - b) Discuss Software quality assurance and standards.

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.

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