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M.Tech.(IT) (2015 & Onwards)/(CSE Engg.) (2015 to 2017) (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 CBSE
4. a) Discuss the structure of client server systems.
b) Write the issues 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.

