Roll No .....

IT-6002 (CBGS)

B.E. VI Semester

Examination, May 2019

Choice Based Grading System (CBGS)

Software Engineering and Project Managements

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) What is Agile development? Give brief overview of how development occurs in Agile philosophy. 7
   b) Explain the unified approach to software development. Discuss the merits and demerits of this approach. 7

2. a) What do you understand by a layered software design? What are the advantages of a layered design? 7
   b) Explain the waterfall model. Explain why it is more advantageous than adhoc methods. 7

3. a) What is function point? Explain its importance. What is function-oriented metrics? 7
   b) Explain how a software development effort is initiated and finally terminated in the spiral model. Also explain why the spiral life cycle model is considered to be a meta model. 7

4. a) What are the main activities carried out during requirements analysis and specification phase? What is the final outcome of the requirements analysis and specification phase? 7

   b) Describe the design process in software development. What are the characteristics and criteria for design? 7

5. a) What is black box-testing? Is it necessary to perform this? Explain various test activities. 7
   b) Explain the integration testing process and system testing processes and discuss their outcomes. 7

6. a) Discuss the impact of cohesion, coupling, fan-in, fan-out and factoring in design phase. 7
   b) Briefly outline the five steps involved in constructing a Work Break Down structure of a software project. 7

7. a) List the various software quality attributes and explain briefly. 7
   b) What is the role of project managers in conducting a successful SQA program? 7

8. a) Define the term Component? What are the benefits of CBSE (Component Based Software Engineering). 7
   b) What is risk management? Explain briefly the technical risks in a software project. 7

******

36

downloaded from StudentSuvidha.com
Download all NOTES and PAPERS at StudentSuvidha.com