Total No. of Questions : 8]   [Total No. of Printed Pages : 2

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. http://www.rgpvonline.com   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

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