Total No. of Questions : 5]   [Total No. of Printed Pages : 2

Roll No ....

IT-605

B.E. VI Semester

Examination, June 2016

Software Engineering and Project Managements

Time : Three Hours

Maximum Marks : 70

Note: i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
ii) All parts of each questions are to be attempted at one place.
iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.
iv) Except numericals, Derivation, Design and Drawing etc.

Unit - I

1. a) Differentiate computer software and computer program.
   b) Write out the reasons for the Failure of Water Fall model.
   c) What is software process of Software Development Life Cycle (SDLC)?
   d) Explain the process of 'Risk Analysis and Management'.
      OR
      Explain incremental model in detail.

Unit - II

2. a) Define Software Reliability.
   b) What are the two project scheduling methods?
   c) What is FP? How it is used for project estimation?
   d) Explain the cost estimation procedure using COCOMO model.

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OR
Explain with a neat sketch all the steps involved in the software effort and cost estimation process.

Unit - III

3. a) What are the objectives of requirement analysis?
   b) Define the terms in software designing:
      i) Abstraction
      ii) Modularity
   c) What is feasibility study?
   d) Explain the following:
      i) Software Requirement Specification
      ii) Specification Review
      OR
      Explain the various software design concepts.

Unit - IV

4. a) What is black-box and white-box testing?
   b) What are various types of software maintenance?
   c) List the tools or methods available for rapid prototyping.
   d) Discuss the problems faced during software maintenance.
      OR
      What are the different levels of testing? Explain in details.

Unit - V

5. a) What is RMMM?
   b) Define SQA plan.
   c) How do we define software quality?
   d) Define Reverse Engineering. What are the main objectives of reverse engineering?
      OR
      Explain software project management standards.

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