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Roll No ....

MCTA-204

M.E./M.Tech. II Semester

Examination, December 2017

Software Engineering and Project Management

Time : Three Hours

Maximum Marks : 70

Note : i)   Attempt any five questions.

ii)   All questions carry equal marks.

1. a)   Explain the characteristics of a software with example.

   b)   What is SDLC? Explain spiral model in detail.

2. a)   Explain problems associated with software projects management control.

   b)   Explain metrics in the process and project management.

3. a)   Compare ISO-9000 and SEI-CMM models.

   b)   What do you understand by design concept of cohesion measures? Briefly explain each level of cohesion.

4. a)   Define software metrics. What are various categories of software metrics? Discuss with the help of example.

   b)   Write detailed description on object oriented design.

5. a)   What is software testing? Describe the white-box testing in detail.

   b)   Compare and contrast various issues and factors of COCOMO model with other levels of COCOMO models.

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6. Discuss the following:

   a)   Formal Technical Reviews (FTR)

   b)   Debugging Approaches

7. a)   Explain software configuration management activities with example.

   b)   What is plan documentation methods? Explain PERT.

8. Write short notes on any three:

   a)   CPM

   b)   COSMIC

   c)   Earned value analysis

   d)   Prototype model

   e)   Acceptance testing

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