

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

Roll No

MCTA-204

M.E./M.Tech. II Semester

Examination, June 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) What are different types of Requirements? Explain. 7
b) Explain Software Life Cycle Models. 7
2. a) What are the main components of a software requirement analysis and specification? 7
b) What are the different architectural styles for the components and connector structure of a system. 7
3. a) Explain code Walkthrough and Reviews. 7
b) Write comparison between Black Box and White Box Testing. 7
4. a) Give a flow chart describing the code inspection process. Also explain its components in detail. 7
b) What are the different levels of testing and the goals of the different levels? 7

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5. a) Describe two metrics for quantifying complexity of an object-oriented design. How will you use one of them to identify highly-complex or error-prone module. 7
b) What is the role of dynamic modelling using UML? Also differentiate between unified design process and user interface design. 7
6. a) Draw the flow chart of risk management activity and explain various software risk. 7
b) What are the problem faced during software maintenance? Also describe technique for maintenance. 7
7. a) Describe about SCM. 7
b) Discuss various software reuse approaches. 7
8. Write short note on : 14
a) PERT
b) CPM
c) UML

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