Printed Pages—3

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 110852 Roll No. | | | | | | | | | |

B.Tech.

(SEM. VIII) THEORY EXAMINATION 2013-14

SOFTWARE PROJECT MANAGEMENT

Time : 3 Hours *Total Marks : 100*

Note :– Attempt all questions.

1. Answer any two parts : **(2×10=20)**

   (a) What do you mean by the software project estimation ? Give various estimation models. Describe any one of the estimation models using suitable examples.

   (b) Explain Need and Identification of Software Project Management. Also write a vision and scope document according to the IEEE standard in respect of SPM.

   (c) Write short notes on :

   (i) Decision Process.

   (ii) Software Project Planning and its scope.

2. Answer any two parts : **(2×10=20)**

   (a) Differentiate between :

   (i) PERT and CPM

   (ii) Gantt chart and Milestone chart

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(b) Describe Project schedule with

(i) Scheduling Objectives

(ii) Scheduling Terminology

(iii) Scheduling Techniques

in detail with suitable example.

(c) Write short notes on :

(i) Work breakdown structure with its type.

(ii) Project life cycle and Product life cycle.

3. Answer any **two** parts : **(2×10=20)**

(a) What do you mean by 'Code Review' ? Also discuss the difference between Code Inspection and Code Walkthrough.

(b) What do you understand by 'Earned Value Analysis' ? Discuss the following indicators :

(i) Cost Variance (CV)

(ii) Schedule Performance Index (SPI)

(iii) Cost Performance Index (CPI)

(c) Describe the characteristics of a good software metric. Also discuss various software metrics for Project Monitoring.

4. Answer any **two** parts : **(2×10=20)**

(a) How would you define 'Software Quality' ? What do you mean by Software Quality Assurance ? Also discuss the various Software Quality Activities.

(b) What do you mean by Testing ? Describe Type and Levels of Testing in brief. Also discuss all Testing strategies with suitable example and diagram.

(c) Describe the following terms :

(i) Clearoom process.

(ii) SEI - CMM.

5. Write notes on any **two** parts : **(2×10=20)**

(a) Software Configuration Management

(b) Risk Management Process

(c) MS-Project.

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