Printed Pages : 1 **Roll No.** | | | | | | | | | | | **ECS082**

B.TECH.

THEORY EXAMINATION (SEM–VIII) 2016-17

SOFTWARE PROJECT MANAGEMENT

Time : 3 Hours ***Max. Marks : 100***

Note : *Be precise in your answer. In case of numerical problem assume data wherever not provided.*

SECTION – A

1. Attempt the following: **10 x 2 = 20**

(a) Explain SPM Framework.

(b) Explain the term Project Scope with example.

(c) Enumerate the authorities of a Project Manager.

(d) Compare PERT and CPM.

(e) Write the steps of software development.

(f) Explain cost benefit Analysis.

(g) What is meant by Software configuration management?

(h) Explain unit testing and system testing.

(i) What do you mean by Code Inspection?

(j) What is the difference between change control and version control?

SECTION – B

2. Attempt any five of the following questions: **5 x 10 = 50**

(a) Give the Overview of the stepwise planning of the software project Development.

(b) What do you mean by Work Break down Structure in context to software project and product? Discuss with example.

(c) Explain all types of Risks which occurs during software development.

(d) Define various type of testing strategies with example

(e) What do you understand by Verification and validation? Explain their difference with example.

(f) Write COCOMO model in detail.

(g) Explain project monitoring and controlling process. Explain different dimensions of project monitoring and control.

(h) Discuss the different steps of preparing the schedule. What are the Inputs and outputs required by Schedule?

SECTION – C

Attempt any two of the following questions: **2 x 15 = 30**

3 What do you understand by "Earned Value Analysis"? Discuss the following Progress indicators:

(i) Cost Variance

(ii) Schedule performance Index(SPI)

(iii) Cost Performance Index (CPI)

4 Explain the following:

(i) Software Quality Attributes

(ii) SEI-CMM

5 Explain various types of software project management Tools.

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