



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.

