



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

**PAPER ID : 113604**

Roll No.

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## B. Tech.

### (SEM. VI) THEORY EXAMINATION, 2014-15 SOFTWARE PROJECT MANAGEMENT

Time : 3 Hours]

[Total Marks : 100

**Note :** Attempt all questions

1 Attempt any four parts of the following : **4×5=20**

- (a) List at least seven deliverables in a s/w project.
- (b) Enumerate the authorities of a project manager.
- (c) Explain any cost estimation Technique.
- (d) List five factors of failing software project.
- (e) Write about software development team activities.
- (f) Discuss different challenges and problem faced by the project manager / Project leader.

2 Attempt any four parts of the following :  $4 \times 5 = 20$

- (a) Give the overview of the stepwise planning of the software project development.
- (b) Explain the term project scope with suitable example.
- (c) Explain dimension of project monitoring and control and presentation. Why presentation is important for good software?
- (d) Explain all type of software review technique.
- (e) How to prioritize the monitoring ? Explain.
- (f) Explain various problem encountered with s/w projects.

3 Attempt any two parts of the following :  $2 \times 10 = 20$

- (a) What do you mean by work breakdown structure in context to software project and product? Discuss with example.
- (b) What is PERT analysis? Compare and construct
  - (i) Optimistic time estimation.
  - (ii) Pessimistic time estimation.
  - (iii) Most likely time estimation.
- (c) Explain the terms with relative cases
  - (i) CPI cost performance index.
  - (ii) BCWS budget cost of work scheduled
  - (iii) SPI schedule performance index.

**4** Attempt any two parts of the following : **2×10=20**

- (a) Explain the SEI capability Maturity Model with its all variants.
- (b) Write and explain software quality attributes. draw Mc-Call quality assurance Model.
- (c) Define various type of testing strategies with examples.

**5** Attempt any two parts of the following : **2×10=20**

- (a) Explain Software configuration Management.
  - (b) Explain all types of risk which is occurs during software development.
  - (c) Explain various type of software project management tools.
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