

**B.Tech. – VIEP – COMPUTER SCIENCE AND
ENGINEERING (BTCSVI)**

00413 Term-End Examination

December, 2018

BICSE-009 : SOFTWARE PROJECT MANAGEMENT (SPM)

Time : 3 hours

Maximum Marks : 70

Note : Answer any **seven** questions. All questions carry equal marks.

1. (a) Explain the need of Software Project Management. 5
- (b) Explain the use of bar chart in preliminary planning of project, with the help of an example. 5
2. What is Gantt chart ? Draw Gantt chart for an online examination system. 10
3. What is Work Breakdown Structure (WBS) ? Explain different types of WBS. 10
4. What is risk in software development ? Explain risk management in software project management. 10

5. Explain various software quality attributes.
Explain indicators of software quality. 10
6. (a) Explain the role of Cost Performance Index (CPI) in project management. 5
- (b) Briefly explain the types of project plans. 5
7. (a) Explain the need of test plans in developing quality software. 5
- (b) What is Critical Path Method (CPM) ?
Explain with the help of an example. 5
8. Explain the use of CASE tools in software project management. Explain how CASE tools help in reduction in cost and time of software development. 10
9. Explain how Desk checks and Code reviews help in project monitoring and control. 10
10. (a) Explain Earned Value Analysis. 5
- (b) Briefly explain Statistical Quality Assurance. 5
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