

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

00153 Term-End Examination

June, 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) What is a project ? Also explain its various characteristics. 5
(b) What are the problems with software projects ? 5
2. (a) What are the objectives of SPM ? 5
(b) Explain the framework of SPM in detail. 5
3. (a) Explain different types of elements in project organization. 5
(b) Compare and contrast project life cycle and product life cycle. 5

4. (a) Explain the activities of WBS and its tasks. 5
(b) Explain Gantt charts and Milestone charts using suitable examples. 5
5. (a) How do you perform cost monitoring? 5
(b) Explain Cost Performance Index (CPI). 5
6. (a) Explain SQA in detail. 5
(b) Compare and contrast Inspection and Walkthrough using suitable examples. 5
7. (a) Explain software quality along with its importance. 5
(b) What is program verification and validation? 5
8. (a) Explain types of software testing. 5
(b) Compare product vs process quality management. 5
9. (a) What is change control and change request? 5
(b) Explain risk along with its various types. 5
10. (a) What is a framework for dealing with risk? 5
(b) Explain planning and scheduling tools. 5