

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

Term-End Examination

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June, 2017

BICSE-009 : SOFTWARE PROJECT MANAGEMENT (SPM)

Time : 3 hours

Maximum Marks : 70

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

1. Explain the various phases/processes that are involved in a software project life cycle. 10
2. (a) Describe the factors that are critical in the success of any software project. 5
(b) Explain the Work Breakdown Structure. 5
3. What is 'Business Case' ? Explain the outline for developing and writing a Business Case. 10
4. (a) Discuss the project planning framework. 5
(b) Describe the project time management processes. 5

5. Explain Cost Variance, Schedule Variance, Cost Performance Index and Schedule Performance Index with an example of each. 10
6. Describe the various levels of CMM model. 10
7. (a) Explain various types of testing of a software. 5
- (b) Describe Benchmarking and Quality Audit in the context of software quality assurance. 5
8. (a) What is Risk Breakdown Structure ? Explain various risk management processes. 8
- (b) Write the structure of a Risk Register. 2
9. Write short notes on the following :
- (a) CASE Tools 3
- (b) Software Test Types 3
- (c) Software Development Life Cycle (SDLC) 4
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