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No. of Printed Pages : 3

BICSE-009

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

Term-End Examination

December, 2015

BICSE-009 : SOFTWARE PROJECT MANAGEMENT (SPM)

Time : 3 hours *Maximum Marks : 70*

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

1. (a) Describe the various activities of a software project with associated issues. *5*

(b) Discuss the measures of handling the above software issues. *5*

2. (a) Explain the major advantages of a cost-benefit analysis of any simulation project. *5*

(b) How are cost-benefits evaluated with relevant factors for any software project ? *5*

3. (a) Explain the activities of prioritizing and monitoring the various activities in a software project. *5*

(b) What do you mean by earned value analysis ? How can it be evaluated during changes ? *5*

4. (a) Evaluate the risk involved in a project and suggest appropriate strategies to minimize the potential cost. *5*

(a) Describe in brief the role of leadership qualities and styles in the software industry. *5*

5. (a) Discuss change control procedures in detail. *5*

(b) Define Review. Explain the different types of reviews in detail. *5*

6. Explain the following in brief :

(a) Accessing the state of a project *5*

(b) Controlling changes to a project's requirement *5*

7. What do you mean by Work Breakdown Structure (WBS) in context to software project and product ? Discuss with suitable examples. *10*

8. "Risk management is the area that tries to ensure that the impact of risk on cost, quality and schedule be minimal." Justify the statement. What is decision tree analysis in context to Risk Management ? *10*

9. What is meant by 'Software Configuration Management' (SCM) ? What are the principal activities involved in SCM ? Why is SCM crucial to the success of a large software project ? *10*

10. What do you understand by the term 'CASE' tools ? What are the main advantages of using 'CASE' tools ? Also discuss and draw the architecture of a 'CASE' environment. *10*
