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

Term-End Examination

June, 2015

00276

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 project management ? What are the management activities ? 5

   (b) Explain the problems with software projects designs. 5

2. (a) Explain the steps present in project evaluation. 5

   (b) Explain the steps in cost-benefit evaluation techniques. 5

3. (a) Define software prototyping. State the reasons to forward the prototyping. 5

   (b) What are the objectives of activity planning ? 5

4. Write short notes on the following :

   (a) Milestone Charts 5

   (b) Gantt Charts 5

5. How will an activity network help in deciding the skills and number of people required during different phases of the projects ? *10*

6. What are the key practices that improve the overall software quality ? Give suitable examples. *10*

7. Define test case. What are the different types of testing ? *10*

8. Explain the software quality indicators and metrics with suitable examples. *10*

9. Define the SEI-CMM maturity levels of organizations. How do you differentiate between process flexibility and process maturity ? *10*

10. How is the software project managed ? What are the different tools for managing the project ? Explain. *10*