BICSE-009

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

00533   **Term-End Examination**

December, 2016

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 various phases of software project management life cycle.   *8*

    (b)   Write four characteristics of a software.   *2*

2. (a)   What is Work Breakdown Structure (WBS) ?   *2*

    (b)   Draw the Work Breakdown Structure of an 'Examination System' in an academic institution.   *8*

3. Explain PERT, CPM, BAR and GANTT charts with one example each. *10*

4. Explain the various techniques for project monitoring and control with examples. *10*

5. Describe the five levels of CMM model. *10*

6. (a) Explain software quality attributes, metrics and indicators. *6*

   (b) Explain with an example test plan and test cases. *4*

7. What is Risk Breakdown Structure ? Explain the various processes involved in risk management. *10*

8. (a) Explain project cost management processes. *5*

   (b) Describe software test methods/types. *5*

9. Write short notes on the following :
   (a) Project Charter *3*
   (b) Earned Value Analysis *3*
   (c) Software Development Life Cycle (SDLC) *4*