Total number of printed pages – 2

B. Tech

PCIT 4402

Seventh Semester (Special) Examination – 2013

SOFTWARE PROJECT MANAGEMENT

BRANCH : IT

QUESTION CODE : D 473

Full Marks – 70

Time : 3 Hours

*Answer Question No. 1 which is compulsory and any **five** from the rest.*

The figures in the right-hand margin indicate marks.

1. Answer the following questions : 2×10

    (a) Differentiate between software product development and outsourced projects.

    (b) What are the three activities of SPM ?

    (c) How software projects different from other projects ?

    (d) List out different stages of software Life cycle.

    (e) What is software prototyping ?

    (f) Specify about dependency diagrams.

    (g) What are the elements of planning approach ?

    (h) What is management control cycle ?

    (i) What do you understand by project portfolio management ?

    (j) What is the importance of Net present value ?

2. (a) What do you understand by software project estimation ? Discuss various techniques use for software project estimation. 5

    (b) Elaborate in detail about different attributes of Project Management. 5

P.T.O.

3. (a) Define rapid application development in details. 5

   (b) Explain the drawback of water fall model and discuss spiral model with its merits and demerits. 5

4. (a) What are the different parameters for measuring the quality of software project? 5

   (b) Explain the different techniques for enhancing the quality of software project. 5

5. (a) Explain Hazard analysis and identification. 5

   (b) How the risks involved in a s software project can be identified effectively ? 5

6. (a) Suppose you are the project manager of a large software development project. List three common types of risks that your project might suffer. Point out the main steps that you would follow to effectively manage risks in your project. 5

   (b) Explain the concept of work flow. Describe major workflows involved in software development. 5

7. (a) What is a baseline in the context of software configuration management ? How do baselines get updated to form new baseline. 5

   (b) Explain some important activities that a software project manager performs during software project planning. 5

8. Write shorte notes on any **two** of the following : 5×2

   (a) Software Configuration Management (SCM)

   (b) ISO Models

   (c) Monte-Carlo Simulation

   (d) Software Reliability.