Roll No.

B.Tech. (Part Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2014

Information Technology

Fifth Semester

PTIT 534 / PTIT 9301 – SOFTWARE PROJECT MANAGEMENT

(Regulation 2005/2009)

Time : 3 Hours   Answer ALL Questions   Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What are the characteristics which distinguish software projects from other projects?
2. Name the activities involved in project management?
3. State the formula for present value of feature cost.
4. What is the difference between feasibility study and planning?
5. What is a Backward pass?
6. What is an activity –on the arrow(AOA) and activity –on –the node(AON)?
7. How do you schedule the sequence in a project?
8. How can you get a project back to target?
9. What is the characteristic of a team?
10. What do you mean by instruction in the best methods?

Part – B (5x 16 = 80 Marks)

11. What are project constraints? Explain the features of projects? Identify the data that you would collect to ensure that during the execution of the project things are going according to the plan? Outline the stepwise planning activities for a project with a diagram?

12. (a)   Describe how cost benefit evaluation techniques can be used to choose the best among competing project proposal?

(OR)

(b)   (i) Give an account on software effort estimation?(8)
(ii) Explain how a project can be evaluated against strategic, technical and economic criteria? (8)

13. (a)   Draw an activity network using both activity-on-node and activity-on-arrow network conventions for the following projects:
(i) Choosing and purchasing a software company
(ii) Organizing and carrying out a survey of user's opinions of information
      systems

(OR)

(b)   Explain with suitable example how critical path can be identified in precedence networks?

14. (a)   Write notes on the following:

i.   Types of contract
ii.   Contract management

(OR)

(b)   What is the importance of resource allocation? Discuss about how to identify and schedule resources?

15. (a)
(i) How will you select the right person for the job?(8)
(ii) Write an account on the Oldman-Hackman job characteristics model(8)

(OR)

(b)   Discuss about the different styles of leaderships and with suitable examples?