B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2013

INFORMATION TECHNOLOGY

V - Semester   (Regulation 2008)

IT9301 – SOFTWARE PROJECT MANAGEMENT

Time: 3 Hours   Answer ALL Questions   Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Define project and project management.
2. Write the advantages of planning in software projects.
3. What is feasibility study?
4. Distinguish between proactive and reactive risk management.
5. Define forward pass and backward pass.
6. Write the advantages of network planning models.
7. What is earned value analysis?
8. How will you prepare a report on changes made through change control procedure?
9. Why are people important for software projects?
10. Write the qualities needed for a project manager.

Part – B (5 x 16 = 80 marks)

11. (i) Explain contract management in detail.   (8)
    (ii) List the activities covered in software project management.   (8)

12. a) (i) Explain the techniques used in strategic assessment.   (8)
       (ii) What is cost benefit analysis? Explain it in detail.   (8)
                                    OR
    b) (i) Define Cash Flow Forecasting. Explain the methods used for forecasting.   (8)
       (ii) State and explain the COCOMO model for software effort estimation.   (8)

13. a) (i) Define job sequencing. Explain the sequencing and scheduling activities.   (8)
       (ii) How will you shorten the project duration? Explain the methods used in detail. (8)
                                    OR
    b) (i) Explain the top ten risks to be considered in project management.   (8)
       (ii) Explain Hazard analysis in detail.   (8)

14. a) (i) State and explain the resource allocation techniques.   (8)
       (ii) Explain the data collection and visualization techniques.   (8)
                                    OR
    b) (i) Explain software configuration management process in detail.   (8)
       (ii) Explain the contract management techniques.   (8)

15. a) (i) Explain the Organizational Behaviour with an example.   (8)
       (ii) How will you allocate people to software projects? Explain the allocation techniques. (8)
                                    OR
    b) (i) How will you form Teams for a group project? Explain the techniques.   (8)
       (ii) State the importance of Stress and Health analysis. Explain them   (8)