M.C.A. DEGREE EXAMINATION, FEBRUARY 2012.
Fourth Semester
DMC 1952 — SOFTWARE PROJECT MANAGEMENT
(Regulation 2009)

Time : Three hours
Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Write the various activities of management.
2. What is the main role of stakeholder in software development?
3. Define the term strategic assessment.
4. What is meant by ROI?
5. Write any two factors of analyzing project characteristics.
6. Write the types of risk. How it can be solved?
7. What is performance ratio? Write the measurement of performance ratio.
8. Write any two merits of fixed price contracts.
9. Define the term Objectives of the Taylor's organizational behavior.
10. Determine the concept of decision making.

PART B — (5 × 16 = 80 marks)

11. (a) (i) Describe the various activities of software project management for a software project with issues.
    (ii) Write the measures of handling the above software issues.

Or

(b) Write in detail of step-wise project planning procedure with neat diagram.
12. (a) (i) Explain the major advantages of cost benefit analysis of any simulation project.

(ii) How are cost-benefits evaluated with relevant factors for any software project?

Or

(b) Explain the risk evaluation techniques in the project.

13. (a) (i) Write a brief note on RAD model with advantages and disadvantages.

(ii) Explain the features of prototype model.

Or

(b) (i) Write the basic objectives of various Network planning models.

(ii) Write in detail the ways of managing various types of risks in a software project.

14. (a) (i) Explain the activities of prioritizing and monitoring the various activities in a software project.

(ii) Write a short note on earned value analysis. How it can be evaluated during changes?

Or

(b) (i) Describe the various stages of contracts in software development process.

(ii) Create a project control cycle for library management system.

15. (a) (i) Write the role of leadership qualities and styles in the software industry.

(ii) Explain the formal steps of recruiting process in any company.

Or

(b) (i) Explain the Oldham-Hackman job characteristics model.

(ii) Categorize the various stages of a Team? How can the team performance be effective?