Reg. No. : | | | | | | | | | | | | |

M 7945

M.C.A. DEGREE EXAMINATION, MAY/JUNE 2009.

Fifth Semester

MC 1802 — SOFTWARE PROJECT MANAGEMENT

(Regulation 2005)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is feasibility assessment? List out types of feasibility assessment.
2. "Putting more people on a late job makes it later". Why?
3. Describe the content of a project plan.
4. What is WBS? Why do we need it?
5. Discuss the steps involved in evaluating the risk of software planning.
6. Give any two approaches in identifying the activities of a project.
7. What do you mean by critical activity? How will you identify critical activities?
8. Give the objectives of activity planning.
9. Explain the role of people and organizing team in planning for a small project.
10. Explain the basic functions of software configuration management.

PART B — (5 × 16 = 80 marks)

11. (a) Discuss in detail various stages of the product development life cycle.

Or

(b) Explain the SEI CMM Levels in detail.

12. (a) (i) Describe the factors which influence decision making and leadership. (8)

(ii) Explain how organizational behaviour influence the software project. (8)

Or

(b) (i) Explain the concept of managing people and organizing teams in detail. (8)

(ii) Explain in detail the planning for small projects. (8)

13. (a) What are the techniques available for software effort estimation? Explain any two in detail.

Or

(b) (i) Elucidate the problems when projects are over and under estimated. (8)

(ii) List out the factors which causes for puffing a project at risk. (8)

14. (a) (i) Draw an activity network using CPM conventions for the project specified below : (10)

	Activity	Duration	Precedents
A	Hardware selection	6	
B	Software selection	4	
C	Install Hardware	3	A
D	Code and Test	4	B
E	File take-on	3	B
F	Write user manual	10	
G	User training	3	E, F
H	Install and Test system	2	C, D

(ii) Describe the steps for constructing CPM network. (6)

Or

(b) (i) Explain in detail the scheduling and sequencing in projects. (12)

(ii) Discuss briefly about resource allocation. (4)

15. (a) (i) Describe the factors that influence the quality of a softwa product. (

(ii) Explain the quality indicators.

Or

(b) Explain the following with respect to SCM : (5 + 5 + 6)

(i) Responsibilities

(ii) Standards

(iii) Tools.