



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

THIRD SEMESTER – NOVEMBER 2015

CA 3951 - SOFTWARE PROJECT MANAGEMENT

Date : 07/11/2015
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

Answer ALL questions

10 X 2 = 20

1. Define the characteristics of project.
2. Write the steps of cost-benefit analysis.
3. What is “Build and Buy” of software development.
4. Why estimation of software projects are done?
5. What is hammock activity?
6. List the categories of software cost.
7. Define RAG reporting.
8. List the stages of process evaluation.
9. How stress is defined in software development?
10. Why software quality important?

PART – B

Answer ALL questions

5 X 8 = 40

11. a) Elucidate ISO 12207 methodology of developing software.

Or

- b) Discuss on cost-benefit evaluation technique.

12. a) What is software prototype? Discuss on its types, advantages and disadvantages.

Or

- b) Discuss on various effort estimation techniques.

13. a) Describe project and its activity.

Or

- b) Write note on software risks and their reduction strategies.

14. a) Discuss on project framework creation and its control cycle.

Or

- b) Explain the advantages and disadvantages of various contract types.

15. a) Write note on the selection of right person for a job.

Or

- b) Define software quality. Discuss on ISO 9126 quality factors.

PART – C

Answer any two questions

2 X 20 =40

- 16. a) Explain various evaluation techniques of cost-benefit analysis.
- b) Elaborate the steps included in planning of project activities.
- 17. a) Construct the precedence network and discuss the forward and backward pass for the following table:

Project specification with estimated activity durations and precedence requirements

<i>Activity</i>	<i>Duration (weeks)</i>	<i>Precedents</i>
A Hardware selection	6	
B Software design	4	
C Install hardware	3	A
D Code & test software	4	B
E File take-on	3	B
F Write user manuals	10	
G User training	3	E, F
H Install & test system	2	C, D

- b) Explain Earn Value Analysis of project.
- 18. a) Discuss on various motivation theories.
- b) Explain the components of PRINCE2.
