



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIFTH SEMESTER – NOVEMBER 2019

17PCA5ES01 – SOFTWARE PROJECT MANAGEMENT

Date: 06-11-2019

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART – A

Answer ALL questions

(10 x 2 = 20)

1. Draw feasibility execution cycle.
2. What is technical assessment?
3. Write the advantage of incremental testing.
4. Give the stages of estimation.
5. What are project schedules?
6. List the project cost categories.
7. What are the factors considered to prioritize the levels of monitoring project?
8. Define contract management.
9. Write McGregors X and Y theory.
10. Categorize various power positions.

PART – B

Answer ALL questions

(5 x 8 = 40)

11. a) Write note on setting of objective and goals of project.
(Or)
b) Elucidate on various risk evaluation techniques.
12. a) Write note on the following:
(i) Analyzing of project characteristics
(ii) Identifying project infrastructure.
(Or)
b) With necessary diagram explain spiral mode of software development.
13. a) Write and explain the rules for the construction of precedence network.
(Or)
b) List the categories of software risk. Write about its types and reduction strategies.
14. a) Describe on the creation of framework to monitor project.
(Or)
b) List and explain the stages of contract placement.
15. a) How selections are done for persons to job? Explain its stages.
(Or)
b) Describe the techniques to enhance software quality.

Answer any TWO questions

(2 x 20 = 40)

16. a) Explain the activities of ISO 12207 software development life cycle.

b) Discuss on various functional point analysis.

17. a) Construct forward and backward pass to identify the critical path for the following problem:

Project specification with estimated activity durations and precedence requirements

	Activity	Duration	Precedence
A	Hardware selection	6	-
B	Software design	4	-
C	Install Hardware	3	A
D	Code and test software	4	B
E	File Take-on	3	B
F	Write user manuals	10	-
G	User training	3	E,F
H	Install and test system	2	C,D

b) Write about various types of contracts and analyze its pros & cons.

18. a) Discuss on ISO9126 quality standards.

b) Explain the following:

(i) Incremental delivery

(ii) Managing Iterative Processes.

