



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

FIRST SEMESTER – NOVEMBER 2022

PCS1MC05 – MODERN SOFTWARE ENGINEERING

Date: 02-12-2022

Dept. No.

Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

SECTION A

Answer ALL the questions

1 Define the Following		(5 x 1 = 5)	
a)	Software characteristics	K1	CO1
b)	Design Pyramid of WebApp	K1	CO1
c)	RMMM	K1	CO1
d)	People Capability Maturity Model	K1	CO1
e)	Open world software	K1	CO1
2 Fill in the blanks		(5 x 1 = 5)	
a)	_____ responses more to changes in software process	K2	CO1
b)	Gantt charts are developed during project _____ phase.	K2	CO1
c)	The Object-oriented testing are done based on the relationship among _____	K2	CO1
d)	_____ paradigm structure team is loosely and depends on individual initiative of the team members.	K2	CO1
e)	Launch of innovative new products are also called as _____	K2	CO1

SECTION B

Answer any THREE of the following in 500 words

(3 x 10 = 30)

3	Record the definition of software and explain its categories.	K3	CO2
4	Illustrate on the Class-Based software modelling.	K3	CO2
5	Write note on Golden rule in WebApp design.	K3	CO2
6	Explain about the Software Quality Dilemma.	K3	CO2
7	Sketch out on various object oriented testing strategies	K3	CO2

SECTION C

Answer any TWO of the following in 500 words

(2 x 12.5 = 25)

8	Classify and write about people involved in Project Team.	K4	CO3
9	Distinguish on the Software Reengineering process.	K4	CO3
10	Criticize on Capability Maturity Model Integration.	K4	CO3
11	Analyse and write on Challenges and Models of Global Project team.	K4	CO3

SECTION D

Answer any ONE of the following in 1000 words

(1 x 15 = 15)

12	Summarize on different Design concepts	K5	CO4
13	Recommend and report by identifying the existing software trends.	K5	CO4

SECTION E

Answer any ONE of the following in 1000 words

(1 x 20 = 20)

14	Compile on the most common Agile models.	K6	CO5
15	“Basic Path Testing is much needed for Software development”- Justify.	K6	CO5
