Reg. No……

TED (21) – 5002 Signature …….

FIFTH SEMESTER DIPLOMA EXAMINATION IN ENGINEERING AND TECHNOLOGY

Project Management and Software Engineering

Time: 3 hours Maximum Marks: 75

PART-A

I. (Answer all the following questions in one word or one sentence) (9 x 1 = 9 Marks)

		Module Outcome	Cognitive level
1	Define software engineering.	M1	R
2	Name any two SDLC models	M1	R
3	Define SRS.	M2	R
4	Define DFD.	M2	R
5	Explain coupling	M2	U
6	Define unit testing.	M3	R
7	What is internal documentation	M3	R
8	Explain risk.	M4	U
9	What is LOC	M4	R

PART B

II.(Answer any eight questions from the following. Each question carries 3 marks)

(8 x 3 = 24 Marks)

1	List Advantages of iterative model	M1	R
2	What are the phases of software development?	M1	R
3	Explain the characteristics of an SRS.	M2	U
4	Summarise design phase.	M2	U
5	Illustrate object oriented design	M2	U
6	Demonstrate different approaches for software design	M2	U

7	Explain the maintenance phase in software development.	M3	U
8	Explain Integration testing	M3	U
9	Explain project scheduling	M4	U
10	Explain LOC and FP.	M4	U

PART-C

III.(Answer all questions. Each question carries seven marks)

(6 x 7 = 42 Marks)

III	Explain Spiral model	(7 marks)	M1	U
	OR			
IV	Demonstrate classical waterfall model	(7 marks)	M1	U
V	Explain function oriented design	(7 marks)	M2	U
	OR			
VI	Compare cohesion and Coupling	(7 marks)	M2	U
VII	Demonstrate User Interface Design	(7 marks)	M2	U
	OR			
VIII	Explain classification of design activities	(7 marks)	M2	U
IX	Explain coding standards	(7 marks)	M3	U
	OR			
X	Compare code walk through and code inspection	(7 marks)	M3	U
XI	Explain the different matrices to estimate project size	(7 marks)	M4	U
	OR			
XII	Explain COCOMO in detail	(7marks)	M4	U
XIII	Summarize project estimation techniques	(7 marks)	M4	U
	OR			
XIV	Explain in detail Risk Management.	(7 marks)	M4	U

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