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VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN
[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]
Elayampalayam – 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

Question Paper Code: 50022

B.E. / B.Tech. DEGREE END-SEMESTER EXAMINATIONS – NOV. / DEC. 2024

Fifth Semester

Computer Science and Technology

U19CSV52 – AGILE SOFTWARE DEVELOPMENT

(Regulation 2019)

Time: Three Hours

Maximum: 100 Marks

Answer ALL the questions

Knowledge Levels (KL)	K1 – Remembering	K3 – Applying	K5 - Evaluating
	K2 – Understanding	K4 – Analyzing	K6 - Creating

PART – A

(10 x 2 = 20 Marks)

Q.No.	Questions	Marks	KL	CO
1.	Define agile manifesto.	2	K1	CO1
2.	Define XP.	2	K1	CO1
3.	Write short notes on SCRUM.	2	K1	CO2
4.	Define Project Velocity.	2	K1	CO2
5.	What is regression test?	2	K1	CO3
6.	How the user stories are tested?	2	K2	CO3
7.	What is dependency inversion principle?	2	K1	CO4
8.	Define Version control.	2	K1	CO5
9.	Give a short notes on Agile ALM.	2	K1	CO2
10. -	How agility is balanced with discipline?	2	K2	CO2

PART – B

(5 x 13 = 65 Marks)

Q.No.	Questions	Marks	KL	CO
11.	a) Explain various Agile tools. Also, discuss how they help in Agile process.	13	K2	CO1
	(OR)			
	b) Elaborate on design and development practices in Agile projects.	13	K1	CO1
12.	a) Elaborate the need of Scrum and the values provided by Scrum in project management.	13	K1	CO2
	(OR)			
	b) What is meant by user stories? How are they used in Agile? Discuss with suitable examples with its structure and importance.	13	K2	CO2
13.	a) What is Test-Driven Development? Explain with a suitable project. Summarize its significance in modern S/W development.	13	K2	CO3
	(OR)			
	b) Discuss in detail about xUnit framework and tools for TDD.	13	K1	CO3
14.	a) Explain in detail about various design principles in agile design practices.	13	K1	CO4
	(OR)			
	b) Elaborate on various refactoring techniques in agile design.	13	K1	CO4
15.	a) How Agile performs in distributed teams? Explain with an example project.	13	K2	CO2
	(OR)			
	b) How risks are mitigated in agile? Discuss in detail.	13	K1	CO2

PART – C

(1 x 15 = 15 Marks)

Q.No.	Questions	Marks	KL	CO
16.	a) Create six new practices that are designed to help ensure that an SCRUM project works successfully for significant projects within a large organization.	15	K4	CO2
	(OR)			
	b) The team is having the first Sprint Planning meeting. List and explain the activities that the team must perform during the meeting. Detail the procedures.	15	K4	CO2