CBCS SCHEME

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22MCA424

Fourth Semester MCA Degree Examination, June/July 2024
Agile Technologies

Time: 3 hrs. Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

		Module – 1	M	L	C
Q.1	a.	With a neat sketch, list different types of success. Explain in detail importance of organizational success.	10	L2	CO1
	b.	What is Agile? List out and explain manifesto for Agile Software development and principles behind the manifesto.	10	L2	CO1
		OR			
Q.2	a.	What is XP? With a neat diagram, explain how XP lifecycle works.	10	L2	CO1
	b.	Explain various XP concepts in Agile.	10	L2	CO1
		Module – 2			
Q.3	a.	Discuss the recommendations for adopting XP.	10	L2	CO1
	b.	Explain applying XP to brand new project and existing project.	10	L2	CO2
		OR			
Q.4	a.	Explain the following concepts in XP : (i) Pair programming (ii) Energized work.	10	L2	CO2
	b.	What is root cause analysis? Explain how to find, fix and when not to fix the root cause.	10	L2	CO2
		Module – 3			
Q.5	a.	Discuss team strategy and organizational strategy to generate trust in XP team.	10	L2	CO2
	b.	What are the techniques XP uses to achieve zero bugs? Explain detail.	10	L2	CO2
		OR			
Q.6	a.	What is iteration demo? Explain how to conduct iteration demo. Mention two key question after conducting iteration demo.	10	L2	CO2
	b.	Explain version control terminology in detail.	10	L2	CO2
		Module – 4			
Q.7	a.	What is risk? Explain project specific risks in detail.	10	L3	CO3
	b.	Explain the concept of stories in release planning.	10	L3	CO3
		OR			
Q.8	a.	Explain how incremental design works in XP.	10	L3	CO3
	b.	What are Spike solutions? Explain performing experiment and scheduling spikes.	10	L3	CO3
		Module – 5			
Q.9	a.	What are XP values? Principles and strategies.	10	L3	CO4
	b.	How do you improve process by understanding the project and breaking the rules?	10	L3	CO4
		OR			
Q.10	a.	Discuss Universal design principles.	10	L3	CO4
	b.	Write a short note on : (i) Ten-minute build. (ii) Exploratory testing.	10	L3	CO3

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