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P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belagavi)

Second Semester, M.Tech. - Computer Science and Engineering (MCSE)

Semester End Examination, October - 2022

Agile Technologies

Time: 3 hrs

Max. Marks: 100

Note: I) Answer any **FIVE** full questions, selecting **ONE** full question from each unit.

II) Any **THREE** units will have internal choice and remaining **TWO** unit questions are compulsory.

III) Each unit carries 20 marks.

Q. No.	Questions	Marks	BLs	COs	POs
UNIT - I		20			
1 a.	Compare predictable and inventive projects. Also mention the factors preventing reliable up front specifications.	10	L3	CO1	PO1,2
b.	Explain the risk driven and client driven iterative planning.	10	L2	CO1	PO2,4
OR					
1 d.	What is incremental and evolutionary delivery? Discuss with suitable diagrams.	10	L2	CO1	PO2,4
e.	What are the four values identified in the Agile alliance manifesto?	10	L2	CO1	PO4
UNIT - II		20			
2 a.	Explain the Agile project management and list out the nine principles of the Agile project manager.	10	L2	CO2	PO2,4
b.	List and explain the problems with waterfall approach. Explain how these problems are addressed in Agile?	10	L2	CO2	PO1,2
UNIT - III		20			
3 a.	List and explain the common mistakes and misunderstandings of Agile methodology.	10	L2	CO3	PO1,2
b.	Explain different adoption strategies.	10	L2	CO3	PO2,4
OR					
3 d.	Briefly discuss agile development and its classification methods.	10	L2	CO3	PO1,2
e.	Define scrum. Explain the implication of scrum in agile manufacturing.	10	L2	CO3	PO1,2
UNIT - IV		20			
4 a.	Explain twelve core practices of extreme programming.	10	L2	CO4	PO4
b.	Explain life cycle of extreme programming (XP).	10	L2	CO4	PO4

Contd ... 2

OR

- 4 d. Explain the following core practices of EVD:
 - i) Requirement practices 10 L2 CO4 PO2,4
 - ii) Project management practices
- e. Explain the following:
 - i) Work Products 10 L2 CO4 PO2,4
 - ii) Roles
 - iii) Practices

UNIT - V

20

- 5 a. List and explain the nine principles of Agile testing. 10 L₂ CO5 PO1,2
- b. What are the six concrete practises for testing on Agile team? Explain. 10 L₂ CO5 PO1,2

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