

Total No. of Pages : 02

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Total No. of Questions : 09

B.Tech. (IT) (Sem.-6)

AGILE SOFTWARE DEVELOPMENT

Subject Code : BTIT-609-18

M.Code. : 79628

Date of Examination : 04-12-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a) What is Agile testing?
- b) What is Pair Programming?
- c) Why design smells occur in software?
- d) What is the purpose of Sprint retrospective in Scrum?
- e) Explain the importance of the Agile testing quadrants.
- f) What is an example of extreme programming?
- g) Why the extreme programming is used?
- h) What is user acceptance testing? Why is required in Agile software development?
- i) What happens if the Scrum team evolves using Kanban?
- j) Without Sprint Planning, when do we break down features into tasks?

SECTION-B

2. What is the working principle of Agile? What value is provided by Agile? Discuss.
3. What is Scrum? What is the need of Scrum? What values are provided by Scrum?
4. What is open closed Principle in Software engineering? What are the elements of open closed Principle? Explain Liskov-substitution with example.
5. What is Kanban Framework? Explain.
6. What is the impact of Agile lifecycle on testing?

SECTION-C

7. How is the testing done in Agile is different from Waterfall? Explain the principle that is important for an agile tester?
8. **Explain the following Agile Scrum terms :**
 - a) Sprint backlog
 - b) Zero sprint
9. With a neat diagram, explain the life-cycle of XP.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.