

Roll No.

Total No. of Pages : 02

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B.Tech. (Computer Science & Engg.) (Sem.-7)

**AGILE SOFTWARE DEVELOPMENT**

Subject Code : BTCS-710-18

M.Code : 90501

Date of Examination : 20-05-2023

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) Software and Software development.
- b) Role of team members in software development.
- c) Benefits of the Agile in software development.
- d) Kanban framework.
- e) Scrum framework.
- f) Product and Process.
- g) Interface segregation principle.
- h) Product backlog in agile.
- i) Basic tools of XP.
- j) Code refactoring.

## SECTION-B

2. What are Artifacts? How do they affect the software development?
3. List down the design principle of agile software design in detail.
4. Explain the concept of 3 C's model in agile software development in detail.
5. What are the various agile manifesto's, principles that are followed in software development?
6. Explain Liskov Substitution Principle used in Agile design methodology.

## SECTION-C

7. Explain in Software Development Life Cycle in detail.
8. What is the role of product owner, team member and scrum master for the success in the software development?
9. List down the differences between the following :
  - a) Alpha testing and Beta testing.
  - b) Waterfall Model and Incremental Model.

**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.**