

Roll No.

Total No. of Pages : 02

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**B.Tech. (IT) (Sem.-6)**  
**AGILE SOFTWARE DEVELOPMENT**

Subject Code : BTIT609-18

M.Code : 79628

Date of Examination : 17-05-2023

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) What is the role of product owner in Scrum Framework?
- b) What are the major benefits of Agile Software Development?
- c) What are the important agile methods? Explain briefly.
- d) Is Agile software development faster than traditional methods? Comment and explain.
- e) What are the two attributes of open closed principle?
- f) “*If the dependencies are inverted, it is object oriented design*”. Explain.
- g) What do you mean by agility of software?
- h) What is test driven development?
- i) What do you understand by refactoring?
- j) What do you understand by Agile design practices?

## SECTION-B

2. Explain the Liskov substitution in detail.
3. Discuss the project phases in Agile Scrum Framework.
4. Discuss the Agile Principles in detail.
5. Discuss Agile lifecycle and its impact on testing in detail.
6. “*Kanban is not a software methodology or a project management system*”. Explain the concept in detail.

## SECTION-C

7. What is the importance of abstraction in following the open closed principle? Explain through appropriate examples.
8. **Compare :**
  - a) Class and object interfaces
  - b) Scrum and Kanban
9. What is the present market scenario and adoption of Agile? Explain the business benefits risks and mitigation with Agile development methodology.

**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.**