

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Regular & Supplementary Summer 2024

Course: B. Tech

Branch: AIDS

Semester: VI

Subject Code & Name: BTAIOE604C Agile Methodology

Max. Marks: 60

Date: 21/06/2024

Duration: 3 Hr.

Instructions to the Students:

- 1. All the questions are compulsory*
- 2. The level of questions/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question.*
- 3. Use of non-programmable scientific calculators is allowed.*
- 4. Assume suitable data wherever necessary and mention it clearly.*

| | (Level/CO) | Marks |
|---|------------|-----------|
| Q1. Solve Any Two of the following. | | 12 |
| A) What is Agile Methodology & how does it differ from traditional approaches? | L1/CO1 | 6 |
| B) How do you deal Agile Project Management? Explain agile team interactions. | L2/CO1 | 6 |
| C) Describe Agile Manifesto & Elaborate the principles of agile software Development | L1/CO1 | 6 |
| Q2. Solve Any Two of the following | | 12 |
| A) Define Lean Software Development process & its key principles? | L2/CO2 | 6 |
| B) What is Scrum? Define Scrum roles, Scrum meetings in detail | L1/CO2 | 6 |
| C) What is FDD? Explain life cycle process in Feature Driven Development. | L3/CO2 | 6 |
| Q3. Solve Any Two of the following | | 12 |
| A) Explain institutional Knowledge evolution cycle in detail? | L2/CO3 | 6 |
| B) Discuss the importance of Agile Decision making in the context of rapidly changing Project requirements & environments? | L3/CO3 | 6 |
| C) Explain Story Card Maturity Model (SMM) | L1/CO3 | 6 |

Q4. Solve Any Two of the following.

12

- A) What are the core processes of Requirement Engineering? Define Agile requirement abstraction model
L3/CO4 **6**
- B) Discuss the process of Requirement management in Agile Environment
L1/CO4 **6**
- C) Classify various Techniques of requirement elicitation.
L2/CO4 **6**

Q5. Solve Any Two of the following.

12

- A) Explain Agility in Testing?
L2/CO5 **6**
- B) Explain Test Driven Development (TDD)?
L1/CO5 **6**
- C) Write a note on Agile approach in global software development.
L3/CO5 **6**

****End****