

Total No. of Printed Pages:01

SUBJECT CODE NO:- H-655
FACULTY OF SCIENCE AND TECHNOLOGY
B.E. (CSE/IT) (Sem-I)
Elective-I Agile Methodology
[CGPA]

[Time: Three Hours]

[Max.Marks:80]

Please check whether you have got the right question paper.

N.B

- 1) Question No.1 and 6 are compulsory.
- 2) Attempt any two questions from the remaining in each section

Section A

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| Q.1 | a) Define and Explain Ethics in agile team. | 05 |
| | b) Explain the lean software development. | 05 |
| Q.2 | a) Differentiate between traditional S/W development and agile S/W development. | 08 |
| | b) Explain the agile manifesto and principles. | 07 |
| Q.3 | a) Suggest the different issues for using SCRUM agile methodology for global or distributed software development project | 08 |
| | b) Define product backlog. Why product backlog grooming and refinement is necessary. | 07 |
| Q.4 | a) Explain the SCRUM roles as product owner, scrum master and scrum team. | 08 |
| | b) Explain burn down chart, sprint planning and retrospective of SCRUM teamwork. | 07 |
| Q.5 | a) Differentiate between FDD and TDD | 08 |
| | b) What is the best agile methodology for a start-up business? Explain | 07 |

Section B

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|------|--|----|
| Q.6 | a) Explain automation and automated build. | 05 |
| | b) Explain in detail DevOps. | 05 |
| Q.7 | a) What are the agile software design principles? Explain any one principle in detail with example. | 08 |
| | b) List and Explain refactoring techniques in detail. | 07 |
| Q.8 | a) Explain the impact of agile life cycle on agile testing. | 08 |
| | b) Differentiate between agile testing and waterfall testing. | 07 |
| Q.9 | a) Explain in detail exploratory and regression testing. | 08 |
| | b) Explain any on tool which support the agile tester. | 07 |
| Q.10 | a) Explain in detail agile rapid development technologies. | 08 |
| | b) Explain issues while adopting agile in industry and explain the business benefits of agile to the industry. | 07 |