

[Nov-17]

**[ECS-747]**  
**M.Tech. Degree Examination**  
**Computer Science & Technology**  
**I SEMESTER**

**AGILE SOFTWARE DEVELOPMENT**

(Effective from the admitted batch 2017–18)

**Time: 3 Hours**

**Max.Marks: 60**

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**Instructions:** Each Module carries 12 marks.  
Answer all modules choosing one question from each module  
All parts of the module must be answered in one place only.  
Figures in the right hand margin indicate marks allotted.

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**MODULE-I**

1. a) Explain Agile and Agile manifesto 6
- b) How are agile models updated and discuss 6

**OR**

2. Explain SCRUM process? Discuss iterative feature based lifecycle 12

**MODULE-II**

3. With advantages and disadvantages for each practice. Explain twelve XP practices 12

**OR**

4. Explain planning of XP projects in detail 12

**MODULE-III**

5. Explain how agile modeling practices fit into extreme programming 12

**OR**

6. a) What are the objectives of Agile Modeling? 6
- b) Discuss Iteration/Release planning 6

### **MODULE-IV**

- |       |  |   |
|-------|--|---|
| 7. a) | Explain how Time Boxing Iterations are done in FDD | 6 |
| b)    | Explain Incremental software development for FDD   | 6 |

### **OR**

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|--|---------------|----|
| 8. Explain these in planning iterative project | i) Iterations |    |
|  | ii) Timeboxes |    |
|  | iii) Releases | 12 |

### **MODULE-V**

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|-------|-----------------------------------|---|
| 9. a) | Explain different phases of RUP   | 6 |
| b)    | Explain Unified process in detail | 6 |

### **OR**

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|-----|---|----|
| 10. | Explain PRINCE2 approach in Agile development | 12 |
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