

Paper Id: 

110727
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Roll No: 

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**B. TECH.**  
**(SEM VII) THEORY EXAMINATION 2019-20**  
**AGILE SOFTWARE DEVELOPMENT**

Time: 3 Hours

Total Marks: 70

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A**

1. Attempt *all* questions in brief. **2 x 7 = 14**
- a. Define the roles in Scrum.
  - b. Define Velocity in Agile.
  - c. What qualities should a good Agile tester have?
  - d. What is the scrum of scrums?
  - e. When to use agile model?
  - f. What is an epic, user stories and task?
  - g. What are the agile metrics?

**SECTION B**

2. Attempt any *three* of the following: **7 x 3 = 21**
- a. Explain and difference between traditional Waterfall model and Agile testing with suitable example.
  - b. Explain and difference between Extreme programming and Scrum using suitable example.
  - c. Discuss agile methodology. How it is different from Modern software development. Explained.
  - d. Discuss FDD. What are its activities? Explained.
  - e. What do you know about impediments in Scrum? Give some examples of impediments. Differentiate and similarity between Agile and Scrum?

**SECTION C**

3. Attempt any *one* part of the following: **7 x 1 = 7**
- (a) Define Agile. Explain Agile Software Development and Agile Methodologies using suitable example.
  - (b) Describe Agile Project Management and Agile Business Analysis. Explain Business Agility.
4. Attempt any *one* part of the following: **7 x 1 = 7**
- (a) Discuss Crystal. What are its methodologies?
  - (b) Discuss eXtreme programming. Explain eXtreme programming phases. How it is different from Scrum?
5. Attempt any *one* part of the following: **7 x 1 = 7**
- (a) Explain the requirement of Agility on knowledge management. What is Agile Information Systems?
  - (b) Discuss the Challenges of Migrating to Agile Methodologies. Explain Agile Knowledge Sharing.
6. Attempt any *one* part of the following: **7 x 1 = 7**
- (a) How do we use agility in Requirements Engineering? Discuss Requirements Modeling and Concurrency in Agile Requirements Generation.
  - (b) What is the Impact of Agile Processes in RE-Current Agile Practices? Explain. Discuss Unstable Requirements with example.
7. Attempt any *one* part of the following: **7 x 1 = 7**
- (a) How do us ASSURANCE the quality is improved using agility. Explain.
  - (b) Discuss Agile Approach in Global Software Development with example.