Sub Code: RCS077

Paper Id: 110727 Roll No:

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.

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