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VELAGAPUDI RAMAKRISHNA  
**SIDDHARTHA ENGINEERING COLLEGE**  
(AUTONOMOUS)



III/IV B.Tech. DEGREE EXAMINATION, AUGUST, 2021

Sixth Semester

**INFORMATION TECHNOLOGY**

17IT4603D AGILE SOFTWARE DEVELOPMENT

*Time: 3 hours*

*Max. Marks: 70*

*Part-A is compulsory*

*Answer One Question from each Unit of Part - B*

*Answer to any single question or its part shall be written at one place only*

**PART-A**

**10 x 1 = 10M**

1.
  - a. What are the three perspectives on software engineering?
  - b. List out four groups of roles in agile software team.
  - c. Why to use business day between two iterations?
  - d. State 'Sustainable Pace'.
  - e. What is called a measure in learning environment?
  - f. What are the uses of burn-down measure?
  - g. Define Quality Assurance.
  - h. What do you mean by Intermediate Course Review?
  - i. List roles in Agile teams.
  - j. What is stand-up meeting?

**PART-B****4 x 15 = 60M****UNIT-I**

2. a. Briefly discuss about agile software development in learning environments. **5M**
- b. Briefly discuss about Agile manifests. **10M**

**(or)**

3. a. Explain about the human perspective on the role scheme. **6M**
- b. Define practice. Explain the application of the role scheme through three kinds of activities. **9M**

**UNIT-II**

4. a. Briefly describe about two ways in which time is managed effectively by agile methods. **10M**
- b. Discuss about the time-related problems of software projects. **5M**

**(or)**

5. a. Illustrate the combination of UCD with agile software development with case study. **8M**
- b. Explain how metaphor can be used to foster customer-teammates communication? **7M**

**UNIT-III**

6. a. Discuss about various set of activities to perform related to measures. **9M**
- b. Explain in detail about how measures are used for large scale project? **6M**

**(or)**

7. a. Distinguish process quality and product quality in agile approaches. **6M**
- b. Describe how Test-Driven Development can help overcome some of the common problems associated with traditional testing? **9M**

**UNIT-IV**

8. a. Discuss about how does agile software development support learning processes? **9M**
- b. Write a short note on four types of reflective tasks. **6M**

**(or)**

9. a. Illustrate difference between diversity and trust in learning environments. **7M**
- b. Discuss about various abstraction levels in agile software development. **8M**

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