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| **Velegapudi Ramakrishna Siddhartha Engineering College::Vijayawada**  **(Autonomous)**  III /IV B Tech Degree Examinations(December/2022)  Fourth Semester  **Department of Information Technology** 20IT6205A: Agile Software Development | | | | | | | |
| Time:3Hrs | | | **MODEL QUESTION PAPER** | | Max Marks:70 | | |
| Part – A is Compulsory  Answer one (01) question from each unit of Part – B  Answers to any single question or its part shall be written at one place only | | | | | | | |
| ***Cognitive Levels(K): K1-Remember;K2-Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6-Create*** | | | | | | | |
| **Q. No** | | **Question** | | **Marks** | | **Course Outcome** | **Cog. Level** |
| **Part - A** | | | | **10X1=10M** | | | |
| 1 | a | Define Agile Process? | | 1 | 2 | | K1 |
|  | b | Define Project description | | 1 | 1 | | K1 |
|  | c | How do you define customer feedback | | 1 | 2 | | K4 |
|  | d | List the roles in agile teams | | 1 | 2 | | K1 |
|  | e | In what ways does agile software development differ from  other software development approaches? | | 1 | 1 | | K4 |
|  | f | Define Quality Assurance | | 1 | 3 | | K1 |
|  | g | Define Diversity? | | 1 | 3 | | K2 |
|  | h | What is stand-up meeting and an abstraction? | | 1 | 3 | | K2 |
|  | I | What is an abstraction? | | 1 | 4 | | K1 |
|  | j | List out measurement activities | | 1 | 3 | | K1 |
| **Part - B** | | | | **4X15 =60M** | | | |
| UNIT - I | | | | | | | |
| 2 | a | Briefly discuss the Agile Manifesto | | 7 | 1 | | K2 |
|  | b | Elucidate on the Agile Software Development in Learning  Environments. | | 8 | 2 | | K2 |
| (OR) | | | | | | | |
| 3 | a | Illuminate on the Teamwork in Learning Environments | | 8 | 2 | | K2 |
|  | b | How do these characteristics enable them to achieve their  goals successfully | | 7 | 4 | | K4 |
| UNIT - II | | | | | | | |
| 4 | a | Illustrate the combination of UCD with agile software  development with case study. | | 7 | 2 | | K3 |
|  | b | Sophisticated on any four Time- Related Problems of  software projects | | 8 | 1 | | K4 |
| (OR) | | | | | | | |
| 5 | a | Elucidate Agile estimation techniques | | 8 | 1 | | K2 |
|  | b | Differentiate customer role and user role | | 7 | 4 | | K2 |
| UNIT - III | | | | | | | |
| 6 | a | Illustrate how test-driven development can help overcome  some of the common problems associated with traditional  testing? | | 8 | 3 | | K2 |
|  | b | Write short notes on the need of measures. | | 7 | 3 | | K4 |
| (OR) | | | | | | | |
| 7 | a | Distinguish process quality and product quality in agile  approaches. | | 8 | 2 | | K4 |
|  | b | How would you suggest maintaining software quality for a  specific software project with an any your own example. | | 7 | 3 | | K4 |
| UNIT - IV | | | | | | | |
| 8 | a | Discuss about how does agile software development support  learning processes for an any real time application? | | 8 | 2 | | K4 |
|  | b | Explain about various abstraction levels in agile software  development. | | 7 | 2 | | K2 |
| (OR) | | | | | | | |
| 9 | a | Illustrate difference between diversity and trust in  learning environments. | | 8 | 4 | | K2 |
|  | b | Write a short note on four types of reflective tasks | | 7 | 3 | | K2 |