|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |

|  |  |  |
| --- | --- | --- |
| Designation | Name in Capitals | Signature with Date |
| Course Coordinator | Dr.Y.SANGEETHA |  |
| Module Coordinator | Dr.SITA KUMARI |  |
| Program Coordinator | Dr.G.KALYANI |  |
| Head of the Department | Prof. M.SUNEETHA |  |

**VELAGAPUDI RAMAKRISHNA**

**SIDDHARTHA ENGINEERING COLLEGE::VIJAYAWADA**

**(AUTONOMOUS)**

Dt.12-06-2019

**GUIDELINES FOR FRAMING MODEL QUESTION PAPER**

The model papers for all subjects in a semester are gathered from the departments whenever a course is offered for the first time adopting new regulation. All the Heads of the Departments are requested to direct their faculty to strictly adhere to the following guidelines while framing the model question papers for the subjects of UG and PG courses in the new curriculum.

1. Questions must be covered unit-wise uniformly as per the syllabus without missing the competency.
2. The question paper shall reflect the ***Bloom’s Cognitive Levels of Learning***.

**Cognitive Levels (K): K1-Remember; K2-Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6-Create**

* The composition of question paper shall have questions at different complexity levels as listed below:
* Questions that can be attempted by an average student (K1 & K2) 40%
* Questions of intermediate complexity (K3 & K4) 40-50%
* Questions of design and application oriented nature (K5 & K6) 10-20%

1. Question paper is to be set conforming to the OBE pattern clearly mentioning the Course Outcomes and Bloom’s Cognitive Levels against each question.
2. The questions are to be set with minimum 2 sub-questions (a) & (b) for each main question to the extent possible covering entire syllabus in the unit.
3. Specify the marks against each question / part of a question in Part B.
4. The figures, if any, may be computer aided or neatly drawn with black pen indicating clearly the values/dimensions.
5. Prepare the one mark questions in only sentence form. Answers to these questions must be unique and having short answers limited to three/four lines.

**PRINCIPAL**