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**DEPARTMENT OF INFORMATION TECHNOLOGY**

**ODD SEMESTER (JULY 2024 - NOV 2024)**

**QUESTION BANK**

**U20ITCM08 AUTOMATION TECHNIQUES AND TOOLS -DEVOPS**

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| **UNIT II INTRODUCTION** | | |
| Agile movement in 2000 - Agile Vs Waterfall Method - Iterative Agile Software Development - Individual and team interactions over processes and tools – Working software over comprehensive documentation -Customer collaboration over contract negotiation - Responding to change over following a plan | | |
| **PART A** | | |
| **S.NO** | **QUESTIONS** | **BTL** |
| 1 | Brief the history of Agile manifesto. | K2 |
| 2 | List the people involved in agile method. | K1 |
| 3 | Mention the advantages of agile method. | K2 |
| 4 | What is sprint? | K2 |
| 5 | When sprint review meetings are conducted? What is the purpose of it? | K2 |
| 6 | What is the purpose of the sprint retrospective meeting? | K2 |
| 7 | What is CI? | K2 |
| 8 | Mention the role of QA. | K2 |
| 9 | Give an example for incremental development? | K2 |
| 10 | List the artifacts involved in agile method. | K1 |
| 11 | Why does Agile emphasize adaptability and responsiveness to change? | K2 |
| 12 | What is the primary difference between Agile and Waterfall methodologies? | K2 |
| 13 | Which approach is more flexible: Agile or Waterfall? | K4 |
| 14 | What significant event marked the emergence of the Agile movement in the year 2000? | K2 |
| 15 | Name one key principle of Agile that gained prominence during this period. | K2 |
| **PART B** | | |
| **S.NO** | **QUESTIONS** | **BTL** |
| 1 | How customers are involved in Agile model? | K2 |
| 2 | Compare incremental and iterative development. | K2 |
| 3 | Describe the value “Individual and team interactions over processes and tools” | K2 |
| 4 | Justify why “in agile development documentation is not important” is a myth? | K4 |
| 5 | Reflect on “Responding to change”. | K2 |
| **PART C** | | |
| **S.NO** | **QUESTIONS** | **BTL** |
| 1 | Discuss the twelve principal of Agile methodology. | K2 |
| 2 | Compare Agile and Waterfall models. | K2 |
| 3 | Explain the iterative Agile methodology. | K2 |
| 4 | What benefits you get when you give more importance to team and communications between them? | K2 |
| 5 | A student portal is a web-based platform that serves as a centralized hub for students to access academic information, services, and resources. Consider your organization is planning to develop such as student portal for higher education institutions. Demonstrate how this will be developed iteratively. | K3 |

Verified by Approved by