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| **P.V.P Siddhartha Institute of Technology** | | | | | | | | | |
| **Department of Computer Science and Engineering** | | | | | | | | | |
| **Course: B. Tech** | | **Year: II** | **Semester: II** | **Descriptive: I** | **A.Y:2024-25** | | | | |
| **Subject Code:** 23CS3403 | | **Subject Name: Software Engineering** | | | **Regulation: PVP23** | | | | |
| **Duration:1 hr 30 min** | | **Maximum Marks:30 Marks** | | | **Date:01-03-25** | | | **Session: F. N** | |
| **Answer ONE Question from each section. Each Question carries 10 Marks.**  **3×10M=30M** | | | | | | | | | |
| **Q. No** |  | | | | | **Marks** | **CO** | | **Level** |
| 1 | a) What challenges in early software development led to the Emergence of software engineering? | | | | | 5 | CO1 | | L2 |
| b) How do Scrum roles and responsibilities, artifacts, and ceremonies work together to ensure an effective Agile development process? | | | | | 5 | CO1 | | L3 |
|  | **OR** | | | | |  |  | |  |
| 2 | a) How does Rapid Application Development (RAD) work, facilitate faster development, and where is it most applicable? | | | | | 5 | CO1 | | L3 |
| b) Explain Spiral model software life cycle activities in each phase | | | | | 5 | CO1 | | L2 |
| 3 | a) Apply the Function Point (FP) calculation procedure with example. | | | | | 5 | CO2 | | L3 |
| b) What are the key Responsibilities performed by a project manager during project planning, and why are they important for successful project execution? | | | | | 5 | CO2 | | L3 |
|  | **OR** | | | | |  |  | |  |
| 4 | a) Apply the mechanism in the Organisation of the SRS Document. with Example. | | | | | 5 | CO2 | | L3 |
| b) What are the different project estimation techniques, and Explain about heuristic cost estimation techniques. | | | | | 5 | CO2 | | L3 |
| 5 | a) Compare Reactive and Proactive approaches? | | | | | 5 | CO2 | | L2 |
| b) Apply the Software Requirement Specification IEEE 830 guidelines with real world example. | | | | | 5 | CO2 | | L3 |
|  | **OR** | | | | |  |  | |  |
| 6 | a) Identify the symptoms and possible solutions for software crisis. | | | | | 5 | CO1 | | L2 |
| b) Illustrate Notable changes in software development practices. | | | | | 5 | CO1 | | L2 |