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| V20CST07Course Code: | | | | **V20CST07** | | **V20** | **HTNO** |  |  | |  |  | |  | |  | |  |  | |  |  |
| **SRI VASAVI ENGINEERING COLLEGE(Autonomous)** | | | | | | | | | | | | | | | | | | | | | | |
| **B.Tech IV SemesterRegular Examinations – July– 2022** | | | | | | | | | | | | | | | | | | | | | | |
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| **SOFTWARE ENGINEERING** | | | | | | | | | | | | | | | | | | | | | | |
| (Common to CSE, CST) | | | | | | | | | | | | | | | | | | | | | | |
| Time: | | | 3:00 Hrs | |  |  | Max. Marks: | | | | | | | | | | 70Marks | | | | | |
|  | | |  | |  |  |  | | | | | | | | | |  | | | | | |
| **Answer All the Questions.**  **Each Questions Carry Equal Marks** | | | | | | | | | | | | | | | | | | | | | | |
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| 1. |  |  |  | | | | | | | | | | | | | | | | | **14 M** | | |
|  | A. | i. | Explain software Myths in detail | | | | | | | | | | | | | | | | | CO1-K2-(7M) | | |
|  |  | ii. | Illustrate Spiral model with its merits and demerits | | | | | | | | | | | | | | | | | CO1-K3-(7M) | | |
|  |  |  | **OR** | | | | | | | | | | | | | | | | |  | | |
|  | B. | i. | Explain waterfall Model and give advantages of this model | | | | | | | | | | | | | | | | | CO1-K2-(7M) | | |
|  |  | ii. | Illustrate Agile process Model in detail | | | | | | | | | | | | | | | | | CO1-K3-(7M) | | |
|  |  |  |  | | | | | | | | | | | | | | | | |  | | |
| 2. |  |  |  | | | | | | | | | | | | | | | | | **14 M** | | |
|  | A. | i. | Discuss types of feasibility studies | | | | | | | | | | | | | | | | | CO2-K2-(7M) | | |
|  |  | ii. | Illustrate characteristics of Good SRS Document | | | | | | | | | | | | | | | | | CO2-K3-(7M) | | |
|  |  |  | **OR** | | | | | | | | | | | | | | | | |  | | |
|  | B. | i. | Explain about user Requirements in detail | | | | | | | | | | | | | | | | | CO2-K2-(7M) | | |
|  |  | ii. | Illustrate the procedure of Requirement Elicitation and Analysis | | | | | | | | | | | | | | | | | CO2-K3-(7M) | | |
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| 3. |  |  |  | | | | | | | | | | | | | | | | | **14 M** | | |
|  | A. | i. | Explain various architectural views? | | | | | | | | | | | | | | | | | CO3-K2-(7M) | | |
|  |  | ii. | Illustrate different types of coupling? | | | | | | | | | | | | | | | | | CO3-K3-(7M) | | |
|  |  |  | **OR** | | | | | | | | | | | | | | | | |  | | |
|  | B. | i. | Explain function oriented software design | | | | | | | | | | | | | | | | | CO3-K2-(7M) | | |
|  |  | ii. | Illustrate different levels in Data Flow Diagrams(DFD) | | | | | | | | | | | | | | | | | CO3-K3-(7M) | | |
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| 4. |  |  |  | | | | | | | | | | | | | | | | | **14 M** | | |
|  | A. | i. | Explain design principles in detail | | | | | | | | | | | | | | | | | CO4-K2-(7M) | | |
|  |  | ii. | Demonstrate coding standards and guidelines in details | | | | | | | | | | | | | | | | | CO4-K3-(7M) | | |
|  |  |  | **OR** | | | | | | | | | | | | | | | | |  | | |
|  | B. | i. | Discuss the terms  Fault b) Error c)Failure d)Test case e) Test Suite | | | | | | | | | | | | | | | | | CO4-K2-(7M) | | |
|  |  | ii. | Illustrate white box testing and black box testing with their pros and cons | | | | | | | | | | | | | | | | | CO4-K3-(7M) | | |
|  |  |  |  | | | | | | | | | | | | | | | | |  | | |
| 5. |  |  |  | | | | | | | | | | | | | | | | | **14 M** | | |
|  | A. | i. | Outline software metrics for small organizations | | | | | | | | | | | | | | | | | CO5-K1-(6M) | | |
|  |  | ii. | Explain different ways in which Quality can be reviewed | | | | | | | | | | | | | | | | | CO5-K2-(8M) | | |
|  |  |  | **OR** | | | | | | | | | | | | | | | | |  | | |
|  | B. | i. | Describe configuration management in detail | | | | | | | | | | | | | | | | | CO5-K1-(6M) | | |
|  |  | ii. | Discuss various empirical estimation models? | | | | | | | | | | | | | | | | | CO5-K2-(8M) | | |
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