Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **14CS2042** | **Duration :** | **3hrs** |
| **Sub. Name :** | **SOFTWARE ENGINEERING** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Describe the following prescriptive software process models and analyse how these models apply a different emphasis to framework activity   1. Waterfall model, 2. Incremental model, 3. Concurrent model. | CO1 | 20 |
| **(OR)** | | | | |
| 2. |  | Explain the Extreme Programming process used in agile software development and provide the key ideas and tasks that are associated with each framework activity. | CO1 | 20 |
|  |  |  |  |  |
| 3. |  | Describe in detail the contents and structure of typical Software Requirement Specification (SRS) document and explain it with a suitable example. | CO1 | 20 |
| **(OR)** | | | | |
| 4 |  | How will you create a behavioral model when the software responds to an external event? Explain the steps in detail. | CO1 | 20 |
|  |  |  |  |  |
| 5 |  | Present a brief overview of important software design concepts that cover both traditional and object-oriented software development. | CO2 | 20 |
| **(OR)** | | | | |
| 6. |  | With neat diagrams, explain the commonly used architectural styles for softwares that are built for computer-based systems. | CO2 | 20 |
|  |  |  |  |  |
| 7. | a. | Describe the activities involved in software requirement analysis. | CO2 | 10 |
| b. | Analyse the various activities related to withdrawal of money from ATM and draw the related Sequence Diagram. | CO2 | 10 |
| **(OR)** | | | | |
| 8. |  | As a test-case designer, how will you derive a logical complexity measure of a procedural design and the test cases to execute every statement in the program using basis path testing? | CO3 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | Elaborate on risk management paradigm and explain the priniciples used in risk identification and management. | CO3 | 20 |

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