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



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

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| **Code :** | **14CS3037** | **Duration :** | **3hrs** |
| **Sub. Name :** | **REQUIREMENTS 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. | a. | Justify with an example that requirement analyst bridges communication between customer and development stakeholder. | CO1 | 10 |
| b. | If the requirement rights are not being respected during the software development project, what bill of rights will you discuss with your project manager? | CO1 | 10 |
| **(OR)** | | | | |
| 2. | a. | Mention the top responsibilities expected from customer representative in defining and managing the requirements for the projects. | CO1 | 10 |
| b. | Portray the iterative process of requirements development. | CO1 | 10 |
|  |  |  |  |  |
| 3. |  | Provide a comprehensive list of skills and knowledge that are appropriate for junior-level, mid-level, and senior-level requirements analysts. | CO2 | 20 |
| **(OR)** | | | | |
| 4. |  | Consider yourself as a business analyst and you’re near the launch of a new project or in the midst of construction. How will you document the business requirements by using the vision and scope template? | CO2 | 20 |
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| 5. |  | Describe the use case approach for Cafeteria Ordering System and explain the essential elements of the use case and the usage scenarios. | CO3 | 20 |
| **(OR)** | | | | |
| 6. |  | Develop a template for software requirement specification and describe the information to include in each section. | CO3 | 20 |
|  |  |  |  |  |
| 7. |  | Construct a State-transition diagram for chemical tracking system by showing the possible transitions between states visually. Also explain the richer set of notations that models the states an object goes through during its lifetime. | CO4 | 20 |
| **(OR)** | | | | |
| 8. | a. | Mention the purpose of change control process and describe the template for change control process to handle requirements modifications. | CO3 | 10 |
| b. | Provide a list of potential requirement attributes to be considered during requirement management that establish a context and background for each requirement. | CO4 | 10 |
|  | | **Compulsory**: |  |  |
| 9. |  | Illustrate the connections between requirements and other project processes and briefly describe how the changes in requirements development and management approaches affect these process interfaces. | CO3 | 20 |