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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination – April/May – 2017**

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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. | If you are a customer participating in a software development project and if you feel that your requirements rights are not respected even after you followed the requirements responsibility as a customer, what bill of rights will you dicuss with the project manager? | CO2 | 10 |
| b. | As a project manager what are the requirement engineering practices you will recommend for your team? | CO1 | 10 |
| (OR) | | | | |
| 2. | a. | Explain the tasks and skills an analyst should have to make requirement engineering successful. | CO2 | 15 |
| b. | Express the essential knowledge an analyst should exhibit. | CO1 | 5 |
| 3. | a. | Explain the structure of vision and scope document. | CO2 | 15 |
|  | b. | Draw the context diagram for chemical tracking system. | CO2 | 5 |
| (OR) | | | | |
| 4. | a. | Who is a product champion in a project? Discuss their activities. | CO3 | 5 |
|  | b. | How will you detect and handle missing requirements in a project? | CO3 | 5 |
|  | c. | Draw the use case diagram for a banking application. | CO4 | 5 |
|  | d. | List the benefits of usecase. | CO1 | 5 |
| 5. | a. | Explain the software requirement specification template in detail. | CO2 | 15 |
|  | b. | List the guidelines for writing requirements. | CO1 | 5 |
| (OR) | | | | |
| 6. | a. | Discuss about decision tables and decision trees in a project. | CO4 | 5 |
|  | b. | Illustrate dataflow diagram with an example. | CO4 | 5 |
|  | c. | Explain the dialog map for chemical tracking system. | CO4 | 10 |
| 7. | a. | Explain the essential attributes of functional requirements. | CO3 | 5 |
|  | b. | Illustrate the change control process in a project. | CO4 | 15 |
| (OR) | | | | |
| 8. | a. | List the potential benefits of implementing requirement traceability. | CO3 | 5 |
|  | b. | Explain the steps involved in requirement traceability Procedure. | CO4 | 10 |
|  | c. | Is requirement traceability feasible ? Is it necessary? Justify. | CO4 | 5 |
|  | | **Compulsory:** |  |  |
| 9. | a. | Discuss about the software process improvement. | CO4 | 10 |
|  | b. | Explain the elements of risk management in requirement engineering process. | C04 | 10 |

ALL THE BEST