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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

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

**Supplementary Examination – June – 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 as a customer, Discuss the bill of responsibilities you have over the analysts? | CO2 | 10 |
| b. | As an business analyst what levels of requirements you have to understand during requirement engineering process. | CO1 | 10 |
| (OR) | | | | |
| 2. | a. | What requirement attributes helps you to distinguish good requirement from the bad requirements. | CO2 | 15 |
| b. | How does an analyst bridge the gap between vague customer and the sofware team using his tasks? | CO3 | 5 |
| 3. | a. | As a project manager how will you define the project vision through business requirements. | CO2 | 5 |
|  | b. | Explain the sources of requirements. | CO3 | 10 |
|  | c. | List the benefits of usecase. | CO1 | 5 |
| (OR) | | | | |
| 4. | a. | Who is a product champion in a project? Discuss their activities. | CO3 | 5 |
|  | b. | Explain the structure of vision scope document. | CO3 | 15 |
| 5. | a. | Discuss the benefits and drawbacks of incorporating user interface with software requirements specification. | CO2 | 5 |
|  | b. | List the guidelines for writing requirements. | CO1 | 5 |
|  | c. | How will you perform labeling of requirements in a project? | CO3 | 10 |
| (OR) | | | | |
| 6. | a. | Discuss about decision tables and decision trees in a project. | CO2 | 5 |
|  | b. | Write short notes on Entity-relationship diagram and draw the ER diagram for chemical tracking system. | CO1 | 10 |
|  | c. | Explain the need for state transition diagram. | CO3 | 5 |
| 7. | a. | Write short notes on requirements Baseline. | CO1 | 5 |
|  | b. | Illustrate the change control process in a project. | CO4 | 15 |
| (OR) | | | | |
| 8. | a. | List the composition of change control board. | CO1 | 5 |
|  | b. | Explain the steps involved in requirement traceability Procedure. | CO2 | 10 |
|  | c. | Is requirement traceability feasible ? Is it necessary? Justify . | CO4 | 5 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Discuss about the software process improvement. | CO3 | 10 |
|  | b. | Explain the elements of risk management. | CO2 | 10 |

ALL THE BEST