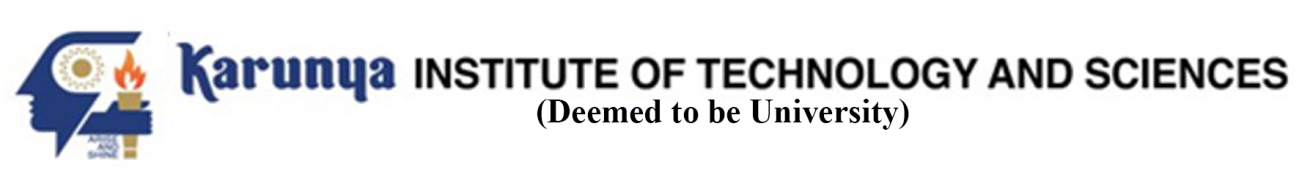
Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov/Dec – 2018**

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|  |  |  |  |
| **Code :** | **14CS2034** | **Duration :** | **3 hrs** |
| **Sub. Name :** | **OBJECT ORIENTED ANALYSIS AND DESIGN** | **Max. marks :** | **100** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Describe the various Object oriented concepts with all possible example. | CO1 | 10 |
| b. | Write notes on:   1. Objects 2. Object behavior | CO1 | 10 |
| (OR) | | | | |
| 2. | a. | Describe Rumbaugh’s object modeling technique in detail | CO1 | 10 |
| b. | Define the following with examples:   1. Class notation iv. Association role 2. Qualifier v. Aggregation 3. Generalization | CO1 | 10 |
|  |  |  |  |  |
| 3. | a. | Describe patterns and the various pattern templates. | CO1 | 10 |
| b. | What is prototyping and explain the types of prototyping. | CO1 | 10 |
| (OR) | | | | |
| 4. | a. | Discuss about use case model with Bank ATM System. | CO2 | 15 |
| b. | Write short notes on Stereotype and Meta-model. | CO2 | 5 |
|  |  |  |  |  |
| 5. | a. | What is analysis and give the reason about why analysis is difficult task. | CO2 | 5 |
| b. | What is 80-20 rule?. Why are uses and extends associations useful in use-case modeling? | CO2 | 5 |
| c. | Demonstrate the guidelines for finding use cases and developing effective documentation. | CO2 | 10 |
| (OR) | | | | |
| 6. | a. | Discuss Noun phrase approach of identifying classes with sample examples From ATM. | CO2 | 10 |
| b. | Explain about any three scenarios in the application of Online Quiz with use case driven approach through Sequence and Collaboration. | CO2 | 10 |
|  |  |  |  |  |
| 7. | a. | What is Super – Subclass relationships? Explain with an example. | CO3 | 10 |
| b. | Define OCL. Mention the syntax for UML attribute and operation(method) present in OCL. | CO3 | 10 |
| (OR) | | | | |
| 8. |  | Explain the steps involved in designing the access layer and view layer classes. | CO3 | 20 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Explain the Object Oriented Design Axioms and Corollaries in detail. | CO2 | 15 |
| b. | How can we build a high quality Software? | CO1 | 5 |