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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**CIA – I EXAM**

**YEAR/SEM : II / IV MAX. MARKS : 75 Marks**

**SUBJECT CODE : CS E61 SUBJECT NAME : Object oriented analysis and design**

**DATE :** 14.03.2024 **DURATION : 3.00 Hrs**

**SECTION –A (20 Marks)**

**PART - I (10 x 2 = 20 Marks)**

**Answer the Questions**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | What is system development | **K2** | **CO1** |
| 2. | What is Functional model? | **K2** | **CO1** |
| 3. | What are the activities in system development | **K4** | **CO1** |
| 4. | What is RUP? | **K2** | **CO1** |
| 5. | Define Component diagrams | **K1** | **CO2** |
| 6. | List the graphical diagrams defined by UML | **K2** | **CO2** |
| 7. | Define actor and scenario | **K1** | **CO2** |
| 8. | Define use case | **K1** | **CO2** |
| 9. | What are the three models in Object Modeling Technique? | **K2** | **CO2** |
| 10. | What are the diagrams available in Booch methodology? | **K2** | **CO1** |

**SECTION – B (55 Marks) – PART II (5 x 11 = 55 Marks)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Answer the Questions** | | | | **Marks** |  |  |
| 11. | Explain Ram Baugh object modeling techniques | | | 11 | K1 | **CO1** |
| **(or)** | | | | |  |  |
| 12. | Explain System Life Cycle used in object oriented approach | | | 11 | K1 | **CO1** |
|  | | | | |  |  |
| 13. | Explain various Traditional Life Cycle models used in OOAD | | | 11 | K1 | **CO1** |
| **(or)** | | | | |  |  |
| 14. | Explain Jacobson Methodology | | | 11 | K1 | **CO1** |
|  | | | | |  |  |
| 15. | Explain Rational Unified Approach | | | 11 | K1 | **CO1** |
| **(or)** | | | | |  |  |
| 16. | | | Explain Unified Modeling Language | 11 | K1 | **CO1** |
|  | | | | |  |  |
| 17. | | | Explain Activity Diagram for Hospital Management | 11 | K3 | **CO2** |
|  | | | | |  |  |
| 18. | | Explain various UML Models | | 11 | K2 | **CO2** |
|  | |  | |  |  |  |
| 19. | | Explain State Diagram and its functions | | 11 | K2 | **CO2** |
| **(or)** | | | |  |  |  |
| 20. | | Explain State Diagram for Office Management | | 11 | K3 | **CO2** |

**Blooms Taxonomy:**

**K1** – Remember, **K2** – Understand, **K3** – Apply, **K4** - Analyze, **K5** – Evaluate, **K6** – Create

**Mapping of Course Outcome (CO) to Programme Outcomes (PO)**

**Department of Computer Science And Engineering**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Cos** | **Mapping with POs** | | | | | | | | | | | |
| **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | **PO11** | **PO12** |
| **CO1** | **H** | **M** | **M** | **H** | **M** | **-** | **-** | **-** | **-** | **-** | **M** | **M** |
| **CO2** | **H** | **M** | **M** | **H** | **M** | **-** | **-** | **-** | **-** | **-** | **M** | **M** |

**H** – High Correlation, **M** – Medium Correlation, **L** – Low Correlation