

**II-B.TECH-I SEM(R22) II -MIDEXAMINATIONS, DEC-2024**

**SUBJECT: OBJECT ORIENTED PROGRAMMING THROUGH JAVA (R22CS304PC)**

**SET-III**

**Branch: CSE, AI&ML, DS, CS &IT Marks:30 M**

**Date: 06/12/2024 Time: 10:00A.M to 12.00P.M**

**Note: Question paper contains two parts, Part-A and Part- B.**

**Answer all questions In Part-A.**

**Answer any four questions in Part-B**

**PART-A 5x2M=10M**

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|  |  | **BTL** | **CO** |
| **1.** | What are advantages of using Generics? | 1 | 3 |
| **2.** | Discuss difference between Multithreading and Multitasking | 6 | 3 |
| **3.** | List limitation of using AWT components | 1 | 4 |
| **4.** | Compare Panel and Frame. | 4 | 5 |
| **5.** | Illustrate Life cycle of Applet. | 2 | 5 |

**PART-B 4x5M=20M**

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| --- | --- | --- | --- |
|  |  | **BTL** | **CO** |
| **6.** | 1. Explain about Inter Thread Communication with an suitable example. | 2 | 3 |
| **7** | 1. List out how to many ways a mutual exclusion can be achieved using Threads. Explain any one with suitable | 1 | 3 |
| **8** | 1. Develop a java program to demonstrate the handling KeyEvents . b) Develop a java program on KeyAdapter classes with example? | 3 | 4 |
| **9** | 1. List out various Layout Managers available in java and Explain any two layout managers with program. | 4 | 4 |
| **10** | Explain any Three swing components? | 5 | 5 |
| **11** | Explain passing parameters to applets with an Example | 5 | 5 |

**Scheme of Evaluation**

**Mid-II part-A**

|  |  |  |  |
| --- | --- | --- | --- |
| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| 1 | What are advantages of using Generics? | 1 | 1 |
| 2 | Discuss difference between Multithreading and Multitasking | 1 | 1 |
| 3 | List limitation of using AWT components | 1 | 1 |
| 4 | Compare Panel and Frame. | 1 | 1 |
| 5 | Illustrate Life cycle of Applet. | 1 | 1 |

**Part-B**

|  |  |  |  |
| --- | --- | --- | --- |
| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| 6. | Explain about Inter Thread Communication with an suitable example. | 5 | 5 |
| 7. | List out how to many ways a mutual exclusion can be achieved using Threads. Explain any one with suitable | 5 | 5  5 |
| 8 a). | Develop a java program to demonstrate the handling Key Events. | 2.5 | 5 |
| b) | Develop a java program on Key Adapter classes with example? | 2.5 |
| 9 | List out various Layout Managers available in java and explain any two layout managers with program. | 5 | 5 |
| 10 | Explain any Three swing components? | 5 | 5 |
| 11 | Explain passing parameters to applets with an Example | 2.5 | 5 |