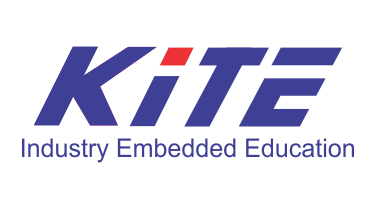
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| **Roll Number** |  |  |  |  |  |  |  |

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**KGiSL INSTITUTE OF TECHNOLOGY**

**COIMBATORE - 641 035**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

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| **CLASS:** | **:** | **II B.Tech IT** | **MAX MARKS** | **:** | **100** |
| **SEMESTER:** | **:** | **III** | **DURATION** | **:** | **3:00 Hrs** |
| **SUBJECT:** | **:** | **Object Oriented Programming** | **CODE** | **:** | **IT8392** |
| **COURSE NO** | : | **C204** | **DATE** | **:** | **16-10-2018** |
| **ACADEMIC YEAR** | : | **2018 – 19 (ODD)** | **EXAM** | **:** | **IA 3** |

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| **PART – A ( 10 X 2 = 20 Marks )** | | | | |
| **I** | **ANSWER ALL QUESTIONS** | | **BT level** | **Course Outcome** |
|  | 1. | Define Parameterized Constructor. | R | C204.1 |
|  | 2. | What is encapsulation? | U | C204.1 |
|  | 3. | List the access specifiers in java with its access rights.. | R | C204.2 |
|  | 4. | What is dynamic binding? | R | C204.2 |
|  | 5. | What is interface? | U | C204.2 |
|  | 6. | Define Object class. | U | C204.2 |
|  | 7. | Draw the life cycle of applet. | R | C204.5 |
|  | 8. | Give short note on drawOvel method from Graphics class. | U | C204.5 |
|  | 9. | What is event driven programming? | R | C204.5 |
|  | 10. | List all the methods defined in Mouse Listener interface. | R | C204.5 |

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| **PART – B ( 5 X 13 = 65 Marks )** | | | | | | | |
| **II** | **ANSWER ALL QUESTIONS** | | | | | **BT Level** | **Course Outcome** |
|  | 11. | (a) | (i) | Explain about data types supported by java with simple example. | 13 | U | C204.1 |
| **( OR )** | | | | | | | |
|  |  | (b) | (i) | Perform sum of array elements and find the sum is prime or not. | 13 | U | C204.1 |
|  | | | | | | | |
|  | 12. | (a) | (i) | Explain about control structures available in java with some example. | 13 | U | C204.1 |
| **( OR )** | | | | | | | |
|  |  | (b) | (i) | Explain about ArrayList class and its methods in java. | 13 | U | C204.2 |
|  | | | | | | | |
|  | 13. | (a) | (i) | Explain about String class and its methods in java. | 13 | U | C204.2 |
| **( OR )** | | | | | | | |  |  |  | Write a program to print prime member of give array using for each loop. |
|  |  | (b) | (i) | Write a program to that implements inheritance concepts | 13 | AP | C204.2 |
|  |  |  |  |  |  |  |  |
|  | 14. | (a) | (i) | Write an awt program that draws shapes using Graphics2D classes. | 13 | AP | C204.5 |
| **( OR )** | | | | | | | |
|  |  | (b) | (i) | Write an awt program to drawlines based on mouse clicks. | 13 | AP | C204.5 |
|  |  |  |  |  |  |  |  |
|  | 15. | (a) | (i) | Write a program to draw a rectangle using canvas and grows the circle when click inside. | 13 | AP | C204.5 |
| **( OR )** | | | | | | | |
|  |  | (b) | (i) | Write a program that helps to calculate EMI details based on interest and tenure using swing. | 13 | AP | C204.5 |
|  | | | | | | | |
| **PART – C ( 1 X 15 = 15 Marks )** | | | | | | | |
| **III** | **ANSWER ALL QUESTIONS** | | | | | **BT Level** | **Course Outcome** |
|  | 16 | (a) | (i) | Write a program that handles simple banking transaction system. Receive and store user information’s and generate an account number in sequence begins with 3036118900 to n Create an interface called CustomerOperations [contains debit and credit transaction methods].Maintain two types of account [Savings and Current]. | 15 | AP | C204.1 |
| **( OR )** | | | | | | | |
|  |  | (b) | (i) | Write a program that draws basic shapes using applet. | 15 | AP | C204.5 |

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| **COURSE OUTCOMES** | |
| **C204.1** | Develop Java programs using OOP principles |
| **C204.2** | Develop Java programs with the concepts inheritance and interfaces |
| **C204.3** | Build Java applications using exceptions and I/O streams |
| **C204.4** | Develop Java applications with threads and generics classes |
| **C204.5** | Develop interactive Java programs using swings |

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| **BLOOMS TAXONOMY LEVELS** | |
| **R** | Remember |
| **U** | Understand |
| **AP** | Apply |
| **AN** | Analyze |
| **E** | Evaluate |
| **C** | Create |

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| **Staff I/C(s)** | **HOD** | **Principal** |