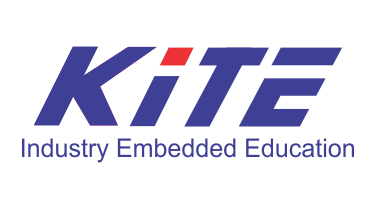
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| **Roll Number** |  |  |  |  |  |  |  |

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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** | **:** | **18-09-2018** |
| **ACADEMIC YEAR** | : | **2018 – 19 (ODD)** | **EXAM** | **:** | **IA 2** |

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| **PART – A ( 10 X 2 = 20 Marks )** | | | | |
| **I** | **ANSWER ALL QUESTIONS** | | **BT level** | **Course Outcome** |
|  | 1. | Define Exceptions. | R | C204.3 |
|  | 2. | List some causes for exceptions | U | C204.3 |
|  | 3. | Give short note on StackTraceElement class | R | C204.3 |
|  | 4. | Define Streams. | AP | C204.3 |
|  | 5. | Distinguish between Character and Byte Streams | U | C204.3 |
|  | 6. | Define multitasking system. | U | C204.4 |
|  | 7. | Give a short note on Runnable and Running stages of thread. | U | C204.4 |
|  | 8. | What is demon thread? | R | C204.4 |
|  | 9. | Give an example for generic methods. | R | C204.4 |
|  | 10. | Why static members of types not supported in generics? | U | C204.4 |

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| **PART – B ( 5 X 13 = 65 Marks )** | | | | | | | |
| **II** | **ANSWER ALL QUESTIONS** | | | | | **BT Level** | **Course Outcome** |
|  | 11. | (a) | (i) | Write a detailed note of exception handling in java with an example. | 13 | U | C204.3 |
| **( OR )** | | | | | | | |
|  |  | (b) | (i) | Write a program to maintain student records with proper exception handling mechanisms. | 13 | AP | C204.3 |
|  | | | | | | | |
|  | 12. | (a) | (i) | Write a program to copy binary data from one file to another file with proper exception handling. | 13 | AP | C204.3 |
| **( OR )** | | | | | | | |
|  |  | (b) | (i) | Write a program to perform word count in text file. | 13 | AP | C204.3 |
|  | | | | | | | |
|  | 13. | (a) | (i) | Explain about user defined exception with an example. | 13 | U | C204.3 |
| **( OR )** | | | | | | | |  |  |  | Write a program to print prime member of give array using for each loop. |
|  |  | (b) | (i) | Write a program to find the generated Fibonacci series number is prime or not. | 13 | AP | C204.4 |
|  |  |  |  |  |  |  |  |
|  | 14. | (a) | (i) | Explain about synchronized blocks with example. | 13 | U | C204.4 |
| **( OR )** | | | | | | | |
|  |  | (b) | (i) | Explain about co-operative process with example. | 13 | U | C204.4 |
|  |  |  |  |  |  |  |  |
|  | 15. | (a) | (i) | Explain in detail about generic class and methods. | 13 | R | C204.4 |
| **( OR )** | | | | | | | |
|  |  | (b) | (i) | Explain about thread groups with an example. | 13 | U | C204.4 |
|  | | | | | | | |
| **PART – C ( 1 X 15 = 15 Marks )** | | | | | | | |
| **III** | **ANSWER ALL QUESTIONS** | | | | | **BT Level** | **Course Outcome** |
|  | 16 | (a) | (i) | Write a program to read contents from one file and convert all the words into uppercase and write it onto another file. | 15 | AP | C204.3 |
| **( OR )** | | | | | | | |
|  |  | (b) | (i) | Write a program that helps to find all sum of all elements in array using generics | 15 | AP | C204.4 |

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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** |