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| **Roll No**  **A** |  |  |  |  |  |  |  |

**KGiSL INSTITUTE OF TECHNOLOGY**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Internal Exam – I – SEP - 2018**

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| **CLASS:** | **:** | **II B.Tech IT** | **MAX MARKS** | **:** | **100** |
| **SEMESTER:** | **:** | **III** | **DURATION** | **:** | **3:00 Hrs** |
| **SUBJECT:** | **:** | **Object Oriented Programming** | **CODE** | **:** | **CS8392** |
|  |  |  | **DATE** | **:** |  |

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

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

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| **Signature of Faculty** | **Signature of HOD** |

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| \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* | *ALL THE BEST* | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |