**18EI605**

**Hall Ticket Number:**

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| **III/IV B.Tech (Regular/Supplementary) DEGREE EXAMINATION** | | | |
| **June, 2022** | **Electronics &Instrumentation Engineering** | | |
| **Sixth Semester** | **OOPS With JAVA** | | |
| **Time:** Three Hours | | **Maximum: 5**0 Marks | |
| *Answer Question No. 1 Compulsorily.* | | | (10X1 = 10 Marks) |
| *Answer* ***ANY ONE*** *question from each Unit.* | | | (4X10=40 Marks) |

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| 1. | a) | List primitive data types in JAVA | CO1 | |  |
|  | b) | Difference between method and constructor. | CO1 | |  |
|  | c) | Which class is the super class for all classes in JAVA? | CO2 | |  |
|  | d) | Which one is the default access specifier in JAVA? | CO2 | |  |
|  | e) | Write the syntax related to multiple inheritance using interfaces. | CO2 | |  |
|  | f) | Use of CLASSPATH and PATH variables. | CO2 | |  |
|  | g) | Define exceptions in JAVA? | CO3 | |  |
|  | h) | List the priority fields in Thread class. | CO3 | |  |
|  | i) | Difference between Java 1.0 and Java 1.1 event handling. | CO4 | |  |
|  | j) | Write the difference between applet and application. | CO4 | |  |
| **Unit - I** | | | | | |
| 2. | a) | List the features of JAVA and explain briefly. | CO1 | **5M** | |
|  | b) | Write the role of JVM and illustrate how platform independence is achieved in JAVA. | CO1 | **5M** | |
|  |  | **(OR)** |  |  | |
| 3. | a) | Illustrate the use of nested classes in JAVA with a simple example. | CO1 | **5M** | |
|  | b) | Illustrate the use of super keyword in JAVA with example. | CO2 | **5M** | |
| **Unit - II** | | | | | |
| 4. | a) | “Interfaces can be extended”. Justify this statement with a simple example. | CO2 | **5M** | |
|  | b) | List the methods in String and StringBuffer classes. Write the differences between them. | CO2 | **5M** | |
|  |  | **(OR)** |  |  | |
| 5. |  | Design a JAVA application, to demonstrate creation and importing of user defined packages. | CO2 | **10M** | |
| **Unit - III** | | | | | |
| 6. | a) | Write the use of finally keyword in exception with a simple example. | CO3 | **5M** | |
|  | b) | Demonstrate with an example, creation of multi threading by using runnable interface. | CO3 | **5M** | |
|  |  | **(OR)** |  |  | |
| 7. | a) | Write a Java application to create a customized exception (consider any). | CO3 | **5M** | |
|  | b) | Explain about thread life cycle.. | CO3 | **5M** | |
| **Unit - IV** | | | | | |
| 8. | a) | Write the life cycle of an Applet. Write the Skelton of Applet. | CO4 | **5M** | |
|  | b) | Write a Java program to demonstrate handling of mouse events. | CO4 | **5M** | |
|  |  | **(OR)** |  |  | |
| 9. |  | Explain about different layout managers with suitable examples. | CO4 | **10M** | |

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