**14OE706/CS 02**

**Hall Ticket Number:**

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| **IV/IV B. Tech (Regular/Supplementary) DEGREE EXAMINATION** | | | |
| **Jan / Feb, 2021** | **Electrical and Electronics Engineering** | | |
| **Seventh Semester** | **JAVA PROGRAMMING** | | |
| **Time:** Three Hours | | **Maximum :** 60 Marks | |
| *Answer ALL Questions from PART-A.* | | | (1X12 = 12 Marks) |
| *Answer* ***ANY FOUR*** *questions from PART-B.* | | | (4X12=48 Marks) |
| **Part - A** | | | |

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| 1 | Answer all questions | | (1X12=12 Marks) | |
|  | a) | Constructor | |  |
|  | b) | Abstract class vs. Interface | |  |
|  | c) | Use of CLASSPATH in JAVA | |  |
|  | d) | Use Throwable class | |  |
|  | e) | Process vs. Thread | |  |
|  | f) | List any four built-in exceptions in JAVA | |  |
|  | g) | Event | |  |
|  | h) | Write AWT class hierarchy | |  |
|  | i) | Advantage of delegation event model | |  |
|  | j) | Limitations of AWT | |  |
|  | k) | JFC | |  |
|  | l) | JDBC API | |  |
| **Part - B** | | | | |
| 2 | a) | List and explain the features of JAVA. | | 6M |
|  | b) | List and explain different types of control statements in JAVA. | | 6M |
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| 3 | a) | Explain the following with suitable examples: | |  |
|  |  | i. Use of super | | 4M |
|  |  | ii. Dynamic method dispatch | | 8M |
|  | | | | |
| 4 | a) | Illustrate the use of ***finally*** in JAVA | | 6M |
|  | b) | Illustrate the procedure of creating a thread using ***runnable*** interface. | | 6M |
|  | | | | |
| 5 | a) | What is the need of assigning priorities to threads? Explain with simple example. | | 6M |
|  | b) | Define Applet. Illustrate passing of parameters to Applets with simple example. | | 6M |
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| 6 | a) | Illustrate handling of key events with example program. | | 6M |
|  | b) | What are the advantages of Adapter classes? Explain with simple examples. | | 6M |
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| 7 | a) | List different types of layout managers in AWT and Illustrate any three with example programs. | | 12M |
|  | | | | |
| 8 | a) | Illustrate the following Swing components with simple examples:  i. JButton ii. JTextField iii. JCheckBox | | 12M |
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| 9 | a) | List different type of JDBC drivers and explain briefly. | | 6M |
|  | b) | Write the steps required to interact with database from JAVA program. | | 6M |

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