

B.Sc.(IT) Semester - 4 (CBCS) Examination
March/April-2024 [NEW COURSE]
Programming with JAVA(Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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| Que-1(A) | Answer the following questions. | (03) |
| | <ol style="list-style-type: none">1. Full form of OOP is ...2. Full form of JRE is ...3. Full form of JVM is ... | |
| Que-1(B) | Answer the following questions. (any two out of four) | (06) |
| | <ol style="list-style-type: none">1. Explain: Decision statement in Java2. Explain: NetBeans and Eclipse3. Explain: Looping statement in Java4. Explain: Constructor and finalize() | |
| Que-1(C) | Answer the following questions. (any one out of two) | (05) |
| | <ol style="list-style-type: none">1. Explain: Type Casting, Jagged Array and JVM2. Explain: Method and Constructor Overloading | |
| Que-2(A) | Answer the following questions. | (03) |
| | <ol style="list-style-type: none">1. Define: Inheritance2. Define: Interface3. Define: Abstract Class | |
| Que-2(B) | Answer the following questions. (any two out of four) | (06) |
| | <ol style="list-style-type: none">1. Describe: java.swing2. Describe: java.io3. Describe: java.util4. Describe: java.net | |
| Que-2(C) | Answer the following questions. (any one out of two) | (05) |
| | <ol style="list-style-type: none">1. Explain: Access Specifies2. Explain: Final Class and types of import | |
| Que-3(A) | Answer the following questions. | (03) |
| | <ol style="list-style-type: none">1. Define: Exception2. Define: DeamonThread3. Define: StreamTokenizer | |
| Que-3(B) | Answer the following questions. (any two out of four) | (06) |
| | <ol style="list-style-type: none">1. Describe: Stream and its types2. Describe: Thread and Multithreading3. Describe: RandomAccessFile ClassDescribe: Piped Streams | |
| Que-3(C) | Answer the following questions. (any one out of two) | (05) |
| | <ol style="list-style-type: none">1. Explain in detail: Exception Handling2. Explain in detail: any two Bridge Classes | |
| Que-4(A) | Answer the following questions. | (03) |
| | <ol style="list-style-type: none">1. Define: Applet2. Define: Box Layout3. Define: Grid Layout | |

- Que-4(B) Answer the following questions. (any two out of four) (06)
1. Describe: Border Layout
 2. Describe: Graphics Class
 3. Describe: GridBag Layout
 4. Describe: Group Layout
- Que-4(C) Answer the following questions. (any one out of two) (05)
1. Explain in detail: Applet Life Cycle and NO Layout
 2. Explain in detail: Layout Manager
- Que-5(A) Answer the following questions. (03)
1. Full form of GUI is ...
 2. Full form of AWT is ...
 3. Define: Swing
- Que-5(B) Answer the following questions. (any two out of four) (06)
1. Describe: ActionEvent and WindowEvent
 2. Describe: JProgressBar and JTextPane
 3. Describe: KeyListener and WindowListener
 4. Describe: JMenu and JToggleButton
- Que-5(C) Answer the following questions. (any one out of two) (05)
1. Explain in detail: Adaptor Classes
 2. Explain in detail: AWT Event and Swing Event Packages
