

B.C.A 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 IDE.2. Define Return Statement.3. Full form of OOP. | |
| Que-1(B) | Answer the following question. (Any Two) | (06) |
| | <ol style="list-style-type: none">1. Explain Static & Non-Static Data member in brief.2. Explain Constructor overloading in brief.3. Explain finalized () in brief.4. Explain Jagged Array with suitable example. | |
| Que-1(C) | Answer the following question. (Any one) | (05) |
| | <ol style="list-style-type: none">1. Explain Looping Statement with suitable example.2. Explain break & continue statement in brief with suitable example. | |
| Que-2(A) | Answer the following questions. | (03) |
| | <ol style="list-style-type: none">1. Define Abstract class.2. Define Object.3. Which Keyword is use to inherit interface in class? | |
| Que-2(B) | Answer the following question. (Any Two) | (06) |
| | <ol style="list-style-type: none">1. Explain java.io and java.util packages.2. Explain Math and String Class.3. Explain Random and Date Class.4. Explain String Buffer and Scanner Class. | |
| Que-2(C) | Answer the following question. (Any one) | (05) |
| | <ol style="list-style-type: none">1. List out all access specifies and two of them with suitable example.2. Creating and Using User Defined Package and Sub Packages with suitable example. | |
| Que-3(A) | Answer the following questions. | (03) |
| | <ol style="list-style-type: none">1. Define thread.2. Define terminate state of Thread Life cycle.3. List out any two types of exception. | |
| Que-3(B) | Answer the following question. (Any Two) | (06) |
| | <ol style="list-style-type: none">1. Write programs which create a file with the name student.txt also perform Write & read operation on that file.2. Explain thread priority with suitable example.3. Explain thread sleep method with suitable example.4. Write down the usage of InputSteamReader & OutputStreamWriter Class. | |
| Que-3(C) | Answer the following question. (Any one) | (05) |
| | <ol style="list-style-type: none">1. Explain thread synchronization in multiple threads with suitable example.2. Explain try, catch, finally, throw and throws. | |

- Que-4(A) Answer the following questions. (03)
1. Which class is use to draw the shape?
 2. Full form of AWT.
 3. List out any two components of AWT package.
- Que-4(B) Answer the following question. (Any Two) (06)
1. Explain Flow Layout with suitable example.
 2. Explain Border Layout class with suitable example.
 3. Explain Grid Layout with suitable example.
 4. Explain Card Layout in brief.
- Que-4(C) Answer the following question. (Any one) (05)
1. Explain life cycle of Applet.
 2. Explain Graphics class with suitable example.
- Que-5(A) Answer the following questions. (03)
1. Which package is import for swing components?
 2. Write down the difference between JTextField & JTextArea.
 3. Define Event.
- Que-5(B) Answer the following question. (Any Two) (06)
1. List out the types of Listener Interface & give suitable example of any one.
 2. Explain JLabel with suitable example.
 3. Explain ActionListener and ItemListener with suitable example.
 4. Explain JPasswordField with suitable example.
- Que-5(C) Answer the following question. (Any one) (05)
1. Explain JMenuBar, JMenu and JMenuItem with suitable example.
 2. Explain JSlider, JProgressBar, JScrollBar, JRadioButton and JCheckBox
