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1010N695

Candidate's Seat No : _____

B.C.A. Sem.-6 (Rep) Examination

SEC-302(C)

Advanced Java

October-2025

Time : 2-30 Hours]

[Max. Marks : 70

Q-1. Answer the following.

1. Explain the methods of InputStream and OutputStream in detail. 7
2. Write constructors of FileInputStream and FileOutputStream. Explain how to read a byte from a file as int and print it on screen. 7

OR

1. Explain DataInputStream class and DataOutputStream class with constructors and methods. 7
2. Explain ObjectOutputStream class with constructors, methods and program. 7

Q-2. Answer the following.

1. Explain CardLayout and FlowLayout in depth. 7
2. Explain how to create window in swing. Also explain the structure of Root Container. 7

OR

1. Explain constructors and methods of JLabel class. 7
2. Explain how to create JCheckBox on JFrame. Explain with example. 7

Q-3. Answer the following.

1. Explain InetAddress class in detail. 7
2. Explain Client Socket with its constructors and methods. 7

OR

1. Explain ItemEvent class and KeyEvent class in brief. 7
2. Explain DatagramSocket class and DatagramPacket class in detail. 7

Q-4. Answer the following.

1. Explain JDBC URLs in brief. 7
2. Explain the steps for JDBC connection. 7

OR

P.T.O

1. Explain Connection Interface in brief. 7
2. Explain JDBC Drivers in detail. 7

Q-5. Do as directed. (Any Seven)**14**

1. The classes used for disk file handling are InputStream and OutputStream.
(True/False)
2. _____ streams help to convert raw bytes into the basic type of Java.
a) Filter b) Char c) Byte d) Object
3. The InputStreamReader converts byte stream to character stream. (True/False)
4. Images can be used in creating JButton. (True/False)
5. The top-level windows in Swing are JFrame, JApplet, JDialog and JWindow.
(True/False)
6. To arrange the components of a container, all top-level containers are to be set with a _____.
a) Layout Manager c) Component Manager
b) Card Manager d) Container Manager
7. Pressing a button of a mouse causes _____ event.
a) Key b) Press c) Mouse d) Action
8. An event is generated by a Source. (True/False)
9. Every IP address is associated with a name called _____.
a) Domain Name c) URL
b) Internet Name d) None of mentioned
10. A JDBC driver act as a bridge between the Java client and the database server. (True/False)
11. There are _____ types of drivers of JDBC.
a) Four b) Two
12. The _____ object establishes a connection between the Java client and the database server.
a) Connection c) Dummy
b) Client d) Connection oriented

