

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCA DEGREE EXAMINATION DECEMBER 2022
(Fifth Semester)

Branch – COMPUTER APPLICATIONS

ADVANCED JAVA PROGRAMMING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 1 = 10)

1. A checkbox is a control that consists of a
(i) combination of a large box (ii) a label
(iii) combination of a small box and a label (iv) both (i) & (ii)
2. Identify the method that is called when the dialog box is closed.
(i) close() (ii) dispose() (iii) cancel() (iv) destroy()
3. _____ method successfully ends the transaction.
(i) commit() (ii) rollback()
(iii) unsave() (iv) none of the above
4. Which of the following package is not valid in javax.sql interface for Connection Pooling?
(i) javax.sql.ConnectionPoolDataSource (ii) javax.sql.PooledConnection
(iii) javax.sql.PoolConnection (iv) javax.sql.ConnectionEventListener
5. _____ interface allows a designer to provide a graphical user interface through which a bean may be configured.
(i) Customizer (ii) Visibility
(iii) VetoableChangeListener (iv) BeanInfo
6. Identify the attribute that is used to extend the lifetime of a cookie.
(i) Increase-age (ii) Max-age (iii) Higher-age (iv) Lifetime
7. Which of the following is not a directive?
(i) include (ii) page (iii) useBean (iv) export
8. A JSP page consists of _____ tags.
(i) HTML tags (ii) JSP tags
(iii) Both (a) & (b) (iv) None of the above
9. In networking, port number 23 is for _____.
(i) FTP (ii) e-mail (iii) HTTP (iv) Telnet
10. Which of these method of DatagramPacket is used to return the port number?
(i) Port() (ii) getPort() (iii) setPort() (iv) receivePort()

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 5 = 25)

11. a. State the purpose of constraints fields in GridBagConstraints.

OR

- b. Analyze the uses of JButton control.

Cont...

12. a. Explain about JDBC architecture.

OR

b. Analyze the ACID properties for the transaction mechanism.

13. a. Show the interfaces in java.beans with their description.

OR

b. How to build and test a simple servlet?

14. a. Describe the attributes of the page directive in JSP.

OR

b. Explain the stages involved in JSP lifecycle.

15. a. Compare Inet4address and Inet6address.

OR

b. Explain about HTTPURL Connection.

SECTION -C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 8 = 40)

16. a. Discuss choice and list controls in AWT with example.

OR

b. Summarize about the different types of Layout Managers.

17. a. Classify the types of drivers in JDBC.

OR

b. Discuss the setXXX methods available in PreparedStatement interface.

18. a. Develop a simple java bean program using Introspector, PropertyDescriptor and EventSetDescriptor classes.

OR

b. Discuss the packages that are required to build the servlet.

19. a. Analyze the use of Action elements in JSP.

OR

b. Outline the best practices for creating web application using JSP.

20. a. Analyze the uses of InetAddress Factory and Instance methods.

OR

b. Discuss about the different types of TCP sockets in Java.

Z-Z-Z END