PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCA DEGREE EXAMINATION DECEMBER 2023
(Fifth Semester)

Branch – **COMPUTER APPLICATIONS**

ADVANCED JAVA PROGRAMMING

Time: Three Hours   Maximum: 50 Marks

SECTION-A (5 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (5 x 1 = 5)

1. Which of the following is not a component in AWT?
   (i) Button   (ii) Checkbox
   (iii) Table   (iv) TextArea

2. Select the packages in which JDBC classes are defined.
   (i) rdb and javax.rdb   (ii) jdbc and javax.jdbc
   (iii) sql and javax.sql   (iv) jdbc and java.jdbc.sql

3. Java Bean is a _____ technology
   (i) Component   (ii) Scripting
   (iii) middle tier   (iv)Data

4. Which of the following are the life cycle method of jsp?
   (i) jspInit()   (ii) _jspService()
   (iii) jspDestroy()   (iv) All of the above

5. Which of these is a protocol for breaking and sending packets to an address across a network?
   (i) TCP/IP   (ii) DNS
   (iii) Socket   (iv) Proxy Server

SECTION - B (15 Marks)
Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks   (5 x 3 = 15)

6. a Compare TextField and TextArea controls.
                         OR
   b Explain about DialogBox Control.

7. a List out the features of JDBC.
                         OR
   b Classify the JDBC Driver types.

8. a List out the advantages of Java Bean.
                         OR
   b How to using Cookies in Servlet?

9. a Bring out the JSP Elements.
                         OR
   b Analyze the Performance of JSP Page.

10. a Demonstrate the Networking Classes and Interfaces with example.
                         OR
    b Differentiate URL Connection and HTTP URL Connection.

SECTION -C (30 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** Marks   (5 x 6 = 30)

11. a Discuss in detail about Labels and Button using AWT controls.

OR

   b Discuss about Menus and MenuBars.

12. a Demonstrate the JDBC APIs.

OR

   b Discuss about how to implement JDBC Process with javax.sql package.

13. a Explain the Life Cycle of a Servlet.

OR

   b Discuss about HTTP Request and Response classes.

14. a Examine the Architecture of JSP Page with neat Sketch.

OR

   b Explain about how Debugging with JSPDebug.

15. a Describe about TCP/IP Client Sockets.

OR

   b Describe about TCP/IP Server Sockets.

Z-Z-Z   END