PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MCom(CA) DEGREE EXAMINATION MAY 2024
(Fourth Semester)

Branch – COMMERCE WITH COMPUTER APPLICATIONS

PROGRAMMING IN ADVANCED JAVA

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 the correct way of implementing an interface A by class B?
    (i) class B extends A{}   (ii) class B implements A{}
    (iii) class B imports A{}   (iv) class B import A{}

2. Which is a superclass of all exception classes?
    (i) Throwable   (ii) Exception
    (iii) RuntimeException   (iv) IOException

3. _____ is a superclass of all the Adapter classes.
    (i) Applet   (ii) InputEvent
    (iii) Event   (iv) ComponentEvent

4. Which method in session tracking is used in a bit of information that is sent by a web server to a browser and which can later be read back from that browser?
    (i) HttpSession   (ii) URL rewriting
    (iii) Cookies   (iv) Hidden form fields

5. JDBC stands for _____
    (i) Java database connectivity   (ii) Java database concept
    (iii) Java database communications (iv) Java data connectivity

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

6. (a) Give the role of Method Overriding in Java. Give examples.
    (OR)
    (b) Explain about Constructor and Parameterized Constructors with example.

7. (a) Construct a Java program to create two threads. One thread will display the numbers from 1 to 50 (ascending order) and other thread will display numbers from 50 to 1 (descending order).
    (OR)
    (b) Outline the importance of finally block. How does finally block differ from finalize () method?

8. (a) Comment on the Life cycle of Applet with example.
    (OR)
    (b) Design a Java program to implement any 5 AWT controls.

9.   (a) Explain the Life cycle of a Servlet.
                                      (OR)
      (b) Compose in detail about Servlet API, and javax.servlet package.

10.   (a) Comment on various JDBC Drivers.
                                      (OR)
      (b) Analyze various Classes and Interfaces in JDBC.

SECTION -C (30 Marks)
Answer any **Three** questions
ALL questions carry **EQUAL** Marks   (3 x 10 = 30)

11.   Build a Java Program to implement the concept of Interface. Give example.

12.   Explain in detail on the different exceptions in Java? Explain how you can
      handle exception in JAVA with the help of an example using try-catch-
      finally block.

13.   Construct an applet program that accepts two input string using <param> tag
      and concatenate the strings and display it in status window.

14.   Comment in detail on handling HTTP Request and Response with an
      example.

15.   Illustrate an example in implementing JDBC Process with java.sql.Package.

Z-Z-Z   END