PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCom DEGREE EXAMINATION MAY 2024
(Fourth Semester)

Branch – COMMERCE WITH COMPUTER APPLICATIONS

FUNDAMENTALS OF JAVA PROGRAMMING

Time: 3 Hours   Maximum : 50 Marks

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

1. Select valid java data type for storing decimal numbers
   (i) int   (ii) float
   (iii) char   (iv) 'boolean

2. Which keyword is used to create an object of a class in java?
   (i) new   (ii) object
   (iii) create   (iv) instanceof

3. Find how do you access an element in a one-dimensional array in java?
   (i) ()   (ii) []
   (iii) {}   (iv) <>

4. Which keyword is used to throw an exception explicitly in java?
   (i) catch   (ii) throw
   (iii) try   (iv) throws

5. Which method is used to initialize the state of an applet in java?
   (i) init()   (ii) run()
   (iii) start()   (iv) begin()

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

6. (a) Explain the feature of Java.
            OR
   (b) Differentiate while and do statement.

7. (a) Summarize the objects with example
            OR
   (b) Describe about method overloading

8. (a) How to define and extending interface? Give example.
            OR
   (b) Explain about system packages.

9. (a) State about thread priority with example.
            OR
   (b) Discuss about concept of streams

10. (a) How to adding Applet to HTML file?
            OR
    (b) How to draw arcs and polygon? Give an example.

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

11. Explain about (a) Java program structure (b) switch statement.

12. Execute a java program to display bank account details using class & object.

13. Explain about packages with example.

14. Describe about multi-threading concept. Explain in detail.

15. Create a web page using minimum twenty applet tags.

Z-Z-Z   END