23COC414

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BCom DEGREE EXAMINATION DECEMBER 2024
(Fourth Semester)

Branch – **COMMERCE WITH COMPUTER APPLICATIONS**

FUNDAMENTALS OF JAVA PROGEAMMING

Time: Three Hours Maximum: 50 Marks

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

1. What is the purpose of the "if" statement in java?
   (i) Looping (ii) Decision Making
   (iii) Variable Declaration (iv) 'Function Definition

2. Which of the following is not a OOPs concept in Java?
   (i) Polymorphism (ii) Inheritance
   .(iii) Compilation (iv) Encapsulation

3. Identify the keyword used to import a package in java.
   (i) include (ii) import
   .(iii) use (iv) require

4. What is a thread in java?
   (i) a method (ii) a lightweight process
   .(iii) a data type (iv) a loop

5. Which method is used to draw a line in java graphics programming?
   (i) drawLine() (ii) lineTo()
   (iii) drawPath() (iv) createLine()

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

6 (a) Summarize data types in java.
OR
(b) Write the syntax of for statement with example.

7. .(a) How to accessing a class member? Give an example.
OR
(b) Define constructor with example.

8 .(a) Write about inheritance with example.
OR
(b) How to adding class to a package? Give example

.9 .(a) Write a note on life cycle of a thread..
OR
(b) Differentiate Error and Exception.

10 (a) What about life cycle of Applet?
OR
(b) Describe about Graphics class.

Cont...

SECTION -C (30 Marks)

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

11. Give a brief note on (a) Java program structure (b) switch statement

12. How to creating Array? Explain about one & two dimensional array.

13 Explain about interface with example

14 Describe about Exception handling concept. Explain in detail

15. Demonstrate a java program to display any three basic shapes with example.

Z-Z-Z END