

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BCom DEGREE EXAMINATION MAY 2025
(Fourth Semester)**

Branch – COMMERCE WITH COMPUTER APPLICATIONS

FUNDAMENTALS OF JAVA PROGRAMMING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	What is the extension of java code files? (a) .js (b) .txt (c) .class (d) .java	K1	CO1
	2	Show the numerical range of a char data type in Java? (a) 0 to 256 (b) -128 to 127 (c) 0 to 65535 (d) 0 to 32767	K2	CO1
2	3	What is a class in Java? (a) A blueprint for creating objects. (b) A data type. (c) A function. (d) A variable.	K1	CO2
	4	Outline it, how do you declare an array in Java? (a) int array; (b) int array[5]; (c) int[] array = new int[5]; (d) int array = [5];	K2	CO2
3	5	Which keyword is used to implement an interface in Java? (a) implements (b) extends (c) interface (d) abstract	K1	CO3
	6	Outline the keyword is used to define a package in Java? (a) define (b) package (c) import (d) group	K2	CO3
4	7	Which of the following classes is used to create a thread in Java? (a) Thread (b) Runnable (c) Executor (d) Task	K1	CO4
	8	Show the character stream I/O, a single read/write operation performs _____. (a) Two bytes read/write at a time. (b) Eight bytes read/write at a time. (c) One byte read/write at a time. (d) Five bytes read/ write at a time.	K2	CO4
5	9	Which method is called automatically when an applet is first loaded? (a) init() (b) start() (c) paint() (d) run()	K1	CO5
	10	Show the package provides the classes for working with graphics in Java? (a) java.awt (b) javax.swing (c) java.util (d) java.io	K2	CO5

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

ALL questions carry 2 Marks				
Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the features of java.	K2	CO1
	(OR)			
	11.b.	Show a java program to check whether a number is even or odd using if...else statement.		
2	12.a.	Narrate an object and how its build from a class?	K3	CO2
	(OR)			
	12.b.	How to build with one-dimensional array? Give an example.		
3	13.a.	Identify the concept of inheritance with an example.	K3	CO3
	(OR)			
	13.b.	Identify to create packages in java programs with syntax.		
4	14.a.	How do we set priorities for threads?-Analyze	K4	CO4
	(OR)			
	14.b.	Define Stream. How Streams Work in Java?-Analyze.		
5	15.a.	List out any four applet tag with an example.	K4	CO5
	(OR)			
	15.b.	Discover the syntax and example of drawLine().		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Classify the any five operators using in java with an example.	K4	CO1
2	17	Identify the concept of method overloading with an example.	K4	CO2
3	18	How to extend interface in java?-Explain with an example.	K5	CO3
4	19	Briefly explain the types of errors with an example.	K5	CO4
5	20	Outline the applet life cycle with suitable diagram.	K5	CO5

Z-Z-Z

END