

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

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

Branch – E -COMMERCE

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	Which of the following is a token in Java? A. Classes B. Files C. Keywords D. Packages	K1	CO3
	2	Show the following is a primitive data type in Java? A. String B. Integer C. char D. ArrayList	K2	CO3
2	3	Which statement about method overloading in Java is true? A. Overloading is based on method return type B. Overloading requires methods to have different names C. Overloading is based on method parameters D. Overloaded methods must have the same parameter type	K1	CO3
	4	Show the following is true about Strings in Java? A. Strings are mutable B. Strings are objects of the String class C. Strings are primitive data types D. Strings cannot be concatenated	K2	CO3
3	5	What happens when an interface extends another interface in Java? A. The child interface inherits methods from the parent interface B. The child interface can only have abstract methods C. The child interface can instantiate objects D. The child interface inherits only constructors	K1	CO3
	6	Interpret the following is correct according to Java package naming conventions? A. com.MyCompany.app B. com.mycompany.app C. myCompany.com.app D. com_mycompany.app	K2	CO3
4	7	Which method is used to stop a thread in Java? A. stop() B. interrupt() C. pause() D. block()	K1	CO3
	8	Interpret the following is true about exceptions in Java? A. Exceptions are checked at runtime B. Exceptions must always be handled with try-catch C. Exceptions are objects that are instances of Throwable D. Exceptions can only be thrown manually	K2	CO3
5	9	What is the main difference between a local and remote applet in Java? A. Local applets run on a web server, remote on a client B. Local applets run on the client machine, remote on the server C. Remote applets are always faster than local applets D. Local applets are stored on the server, remote on the client	K1	CO3

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	10	Interpret the method used to draw a rectangle in Java using the Graphics class? A. drawRect() B. fillRect() C. drawRectangle() D. drawShape()	K2	CO3
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SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain in detail on Java Tokens.	K2	CO3
	(OR)			
	11.b.	Summarize for loop in Java. Provide necessary example.		
2	12.a.	Construct a note on method overloading in Java.	K3	CO3
	(OR)			
	12.b.	Construct a note on Java Arrays.		
3	13.a.	Identify the way implementing Interfaces in Java.	K3	CO3
	(OR)			
	13.b.	Make use of Java System Packages and develop a note.		
4	14.a.	Examine the way of priorities to a thread in Java. Provide necessary example.	K4	CO3
	(OR)			
	14.b.	Simplify various classes of Java Exception.		
5	15.a.	Examine adding Applet tags to HTML. Provide example.	K4	CO3
	(OR)			
	15.b.	Inspect various shapes on Java Graphics class.		

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	Analyze various features of Java.	K4	CO3
2	17	Examine 2D arrays in Java.	K4	CO3
3	18	Inspect using system packages in Java.	K4	CO3
4	19	Analyze Java Exceptions. How to throw our own exception.	K4	CO3
5	20	Examine Applet Life Cycle.	K4	CO3