

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2026
(Sixth Semester)

Branch – **MATHEMATICS WITH COMPUTER APPLICATIONS**

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 NOT a primitive data type in Java? (i) int (ii) char (iii) float (iv) String	K1	CO1
	2	Which operator is used for comparison? (i) = (ii) == (iii) := (iv) equals	K2	CO1
2	3	Java supports multiple inheritance through _____. (i) Classes (ii) Abstract classes (iii) Interfaces (iv) Constructors	K1	CO2
	4	Which block is mandatory in exception handling? (i) try (ii) catch (iii) finally (iv) throw	K2	CO2
3	5	java.lang package is _____. (i) Imported manually (ii) Imported by default (iii) External library (iv) Optional	K1	CO3
	6	Which package does the collections framework belong to? (i) java.lang (ii) java.io (iii) java.util (iv) java.net	K1	CO3
4	7	What is used for event handling in Java? (i) Delegation Event Model (ii) Inheritance Model (iii) Direct Model (iv) Loop Model	K1	CO4
	8	Which interface handles button click events? (i) MouseListener (ii) ActionListener (iii) KeyListener (iv) Runnable	K2	CO4
5	9	What is the expansion of AWT? (i) Abstract Window Toolkit (ii) Advanced Web Toolkit (iii) Application Window Tool (iv) Abstract Web Tool	K1	CO5
	10	Which layout manager arranges components in rows and columns? (i) FlowLayout (ii) BorderLayout (iii) GridLayout (iv) CardLayout	K2	CO5

Cont...

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.	Write about the important features of Java.	K3	CO1
		(OR)		
	11.b.	Explain primitive data types in Java with suitable examples.		
2	12.a.	What are packages in Java? Explain how to create and use user-defined packages.	K3	CO2
		(OR)		
	12.b.	Write a note on exception handling in Java.		
3	13.a.	Explain the String class in Java.	K3	CO3
		(OR)		
	13.b.	Explain the java.lang package and its important classes.		
4	14.a.	Explain the utility classes in Java.	K3	CO4
		(OR)		
	14.b.	Describe the Applet class and its methods.		
5	15.a.	Describe how to work with windows and frames in AWT.	K4	CO5
		(OR)		
	15.b.	What are JavaBeans? Explain the features and advantages of Java Beans.		

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	Describe various control statements in Java with examples.	K4	CO1
2	17	Elaborate the life cycle of thread.	K5	CO2
3	18	Explain the Collections Framework architecture in Java.	K4	CO3
4	19	Discuss input and output streams in java.io package with examples.	K4	CO4
5	20	Describe about AWT controls.	K4	CO5

Z-Z-Z

END