

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BCA DEGREE EXAMINATION MAY 2025
(Second Semester)

Branch – **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	Name the automatic type conversion in which of the possible cases. a. Byte to Int b. Int to long c. Long to int d. Short to int	K1	CO1
	2	Show the output of the following code. int I=24 char C='I' System.out.println(I); System.out.println(C); a. Compile Error b. Throws exception c. I d. 24 I	K2	CO1
2	3	Which of this keyword must be used to inherit a class? a. Super b. this c. extent d. extends	K1	CO2
	4	Which of the following is the correct way of importing an entire package 'pkg'? a. import pkg. b. Import pkg. c. import pkg.* d. Import pkg.*	K2	CO2
3	5	Which of these class is related to all the exceptions that cannot be caught? a. Error b. Exception c. Runtime Exception d. All of the above	K1	CO3
	6	Which of these statement is incorrect? a. A thread can be formed by implementing Runnable interface only b. A thread can be formed by a class that extends Thread class c. start() method is used to begin execution of the thread d. run() method is used to begin execution of a thread before start() method in special cases.	K2	CO3
4	7	Which of these functions is called to display the output of an applet? a. Display() b. paint() c. displayApplet() d. PrintApplet()	K1	CO4
	8	Which of the following method is static and synchronized in JDBC API? a. getConnection() b. prepareCall() c. executeUpdate() d. executeQuery()	K2	CO4

Cont...

5	9	Which of these packages contains all the classes and methods required for event handling in java? a. java.applet b. java.awt c. java.event d. java.awt.event	K1	CO5
	10	A _____ is the basic class for all SWING UI components? a. Container b. Jcomponent c. Component d. None of the above	K2	CO5

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.	Organize Data types in JAVA with example.	K3	CO1
		(OR)		
	11.b.	How to make use of JAVA methods. Write a simple program for user-defined method.		
2	12.a.	Compare method overloading and overriding.	K4	CO2
		(OR)		
	12.b.	Categorize briefly about packages.		
3	13.a.	Organize the types of exception briefly.	K3	CO3
		(OR)		
	13.b.	Experiment with Life cycle of threads.		
4	14.a.	Examine an Applet skeleton with an example.	K4	CO4
		(OR)		
	14.b.	Analyze SQL data types in the JDBC connectivity.		
5	15.a.	How to construct a human face using adapter classes write down the steps.	K6	CO5
		(OR)		
	15.b.	Discuss briefly about swing and its components.		

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	How to apply Java class libraries in a program? Explain.	K3	CO1
2	17	Apply method overriding using super keyword in a program.	K3	CO2
3	18	Analyze JAVA Thread priorities and inter thread communication in detail.	K4	CO3
4	19	Examine JDBC connectivity with MS-Access database with a program.	K4	CO4
5	20	Discuss about Event Listener interfaces in detail.	K6	CO5

Z-Z-Z

END