

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

**BCA DEGREE EXAMINATION MAY 2024
(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	List the number of primitive data types in JAVA a) 6 b) 7 c) 8 d) 9	K1	CO1
	2	Show the valid statement a) char[] ch=new char(5) b) char[] ch=new char[5] c) char[] ch=new char() d) char[] ch=new char[]	K2	CO1
2	3	What does the word 'Polymorphism' mean in Greek? a) Many forms b) Single form c) No form d) Final Form	K1	CO2
	4	Which of the following is the correct way of implementing an interface salary by class manager? a) class manager extends salary { b) class manager implements salary { c) class manager imports salary { d) none of the mentioned	K2	CO2
3	5	Which of these class is related to all the exceptions that are explicitly thrown? a) Error b) Exception c) Throwable d) Throw	K1	CO3
	6	What is the default value of priority variable MIN_PRIORITY AND MAX_PRIORITY? a) 0 & 256 b) 0 & 1 c) 1 & 10 d) 1 & 256	K2	CO3
4	7	Which of these operators can be used to get run time information about an object? a) getInfo b) Info c) instanceof d) getinfoof	K1	CO4
	8	What are the major components of the JDBC? a) DriverManager, Driver, Connection, Statement, and ResultSet b) DriverManager, Driver, Connection, and Statement c) DriverManager, Statement, and ResultSet d) DriverManager, Connection, Statement and ResultSet	K2	CO4
5	9	Which of these methods can be used to determine the type of event? a) getID() b) getSource() c) getEvent() d) getEventObject()	K1	CO5
	10	Which of the following architecture does the swing framework use? a) MVC b) MVP c) Layered architecture d) Master-slave architecture.	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.	Organize the type conversion methods in JAVA.	K3	CO1
	(OR)			
	11.b.	How to make use of Garbage collection? Explain.		
2	12.a.	Experiment with types of inheritance.	K3	CO2
	(OR)			
	12.b.	How to build a User-define package? Give Example.		
3	13.a.	Categorize Try and catch clauses in exception handling.	K4	CO3
	(OR)			
	13.b.	Classify briefly about Thread methods		
4	14.a.	Defend the concepts of applet architecture briefly.	K4	CO4
	(OR)			
	14.b.	Determine the database connectivity in JAVA.		
5	15.a.	Build your own program for event handling.	K6	CO5
	(OR)			
	15.b.	Discuss about the hierarchy of JAVA swing classes.		

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	Make use of constructors and its types with example.	K3	CO1
2	17	Apply method overloading in your own program with neat flow diagram.	K3	CO2
3	18	Analyze the exception handling with an example.	K4	CO3
4	19	Conclude a simple calculator using Applets in JAVA.	K5	CO4
5	20	Discuss about the types of Event classes with example.	K6	CO5

Z-Z-Z

END