

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MCA DEGREE EXAMINATION MAY 2026
(Second Semester)

Branch - **COMPUTER APPLICATIONS**

ADVANCED 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 one of the following is not a JAVA feature? i) object oriented ii) use of pointers iii) portable iv) dynamic and extensible	K1	CO1
	2	Which of the following package stores all the standard java classes? i) java.lang ii) java iii) java.util iv) java.packages	K1	CO1
2	3	Which of these methods is a part of Abstract Window Toolkit (AWT) ? i) display() ii) paint() iii) drawString() iv) transient()	K1	CO2
	4	Which of the following is a core component of J2EE? i) Servlets ii) Thread iii) AWT iv) Swing	K1	CO2
3	5	What is the main purpose of JDBC in Java? i) manage user authentication ii) connect and interact with databases. iii) enhance file operations iv) optimize memory usage	K1	CO3
	6	How constructor can be used for a servlet? i) initialization ii) constructor function iii) initialization and constructor function iv) setup() method	K1	CO3
4	7	Which is not a directive in JSP? i) include ii) page iii) export iv) useBean	K1	CO4
	8	Which of the following is not a feature of Beans? i) Introspection ii) Events iii) Persistence iv) Serialization	K1	CO4
5	9	What does J2EE stand for? i) Java 2 Platform, Enterprise Edition ii) Java 2 Enterprise Engine iii) Java 2 Environment Enterprise iv) Java 2 Execution Environment	K1	CO5
	10	Template which can send and receive JMS messages with much less code i) JmsTemplate ii) Jms package iii) Jms file iv) Jms record	K1	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 concepts of Operators and exceptions.	K3	CO1
		(OR)		
	11.b.	Identify the important concepts of packages.		
2	12.a.	Analyze about AWT and Swing.	K4	CO2
		(OR)		
	12.b.	Survey the Model view controller architecture.		
3	13.a.	List out the Types of drivers in JDBC.	K4	CO3
		(OR)		
	13.b.	Discover the Anatomy of a java servlet.		
4	14.a.	Conclude about JSP Scripting elements.	K5	CO4
		(OR)		
	14.b.	Justify the Security elements in Java Bean.		
5	15.a.	Conclude the Exceptions in J2EEE Interconnectivity.	K5	CO5
		(OR)		
	15.b.	Explain JMS fundamentals.		

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 the concepts of Multithread programming with example.	K4	CO1
2	17	Survey about Managing errors and exceptions in APPLET.	K4	CO2
3	18	Conclude the concepts of Working with cookies and tracking sessions in servlets.	K5	CO3
4	19	Explain Cookies and session objects in JSP.	K5	CO4
5	20	Discuss about Components of JMS program.	K6	CO5

Z-Z-Z END