

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
MCA DEGREE EXAMINATION MAY 2024  
(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	CORBA stands for a) Common Object Response Broker Architecture b) Connected Object Request Broker Architecture c) Communication Object Request Broker Architecture d) Common Object Request Broker Architecture	K1	CO1
	2	The _____ method is used to load the JDBC driver. a) getConnection()                      b) forName() c) executeQuery()                      d) executeUpdate()	K2	CO1
2	3	The _____ requires one argument which is the name of the HTTP request header that is to be read. a) setStatus()                      b) getStatus() c) getHeader()                      d) setHeader()	K1	CO2
	4	The _____ method transmits a location header to the browser. a) receiveRedirect()                      b) sendRedirect() c) sendError()                      d) receiveError()	K2	CO2
3	5	The _____ is the method used to parse a value of specified field. a) getParameter()                      b) setParameter() c) getParameterValues()                      d) setParameterValues()	K1	CO3
	6	_____ are used to store various kinds of information such as user preferences and ID. a) session      b) cookies      c) object      d) variable	K2	CO3
4	7	The _____ method is called whenever the session bean is removed from the pool and is referenced from a client. a) ejbCreate()                      b) ejbRemove() c) ejbActive()                      d) ejbPassive()	K1	CO4
	8	The _____ sub element of the <query> element contains a SQL statement that is used to retrieve information from the data base. a) <query-method>                      b) <method-params> c) <ejb-ql>                      d) <method-name>	K2	CO4
5	9	The _____ is the protocol is used to send multipart emails where each part of the email defining its own formatting such as email message that contains an attachment. a) POP                      b) SMTP c) HTTP                      d) MIME	K1	CO5
	10	_____ message type is a pairing of name and values that can be accessed sequentially or randomly. a) TextMessage                      b) MapMessage c) BytesMessage                      d) ObjectMessage	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.	Explain about session management.	K5	CO1
		(OR)		
	11.b.	Classify the JDBC drivers.		
2	12.a.	Analyze the anatomy of java servlet.	K5	CO2
		(OR)		
	12.b.	Explain about tracking sessions.		
3	13.a.	Summarize the JSP tags.	K2	CO3
		(OR)		
	13.b.	Demonstrate the session objects.		
4	14.a.	Explain about Enterprise java bean.	K5	CO4
		(OR)		
	14.b.	Explain about message-driven bean.		
5	15.a.	Elaborate about forwarding an email message.	K6	CO5
		(OR)		
	15.b.	Discuss about sending messages to a queue.		

**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	Illustrate the J2EE multi-tier architecture.	K2	CO1
2	17	Discuss about reading HTTP request headers.	K6	CO2
3	18	Compare the looping statement in JSP.	K5	CO3
4	19	Elaborate the Entity java bean.	K6	CO4
5	20	Discuss about forwarding and deleting messages.	K6	CO5

Z-Z-Z

END