



Third Semester MCA Degree Examination, June/July 2025 Advanced Java and J2EE

Max. Marks: 100

- Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

Module – 1			M	L	C
Q.1	a.	Explain ordinal(), compare To () and equals (), and develop an enumeration program using these methods in java.	10	L3	CO1
	b.	Describe Annotations, Build an example java program to obtain all annotations that have RUNTIME retention.	10	L3	CO1
OR					
Q.2	a.	Demonstrate Type Wrappers by developing an example java program.	06	L3	CO1
	b.	Explain Autoboxing and Auto-unboxing with an example java program.	06	L3	CO1
	c.	Describe Built-In Annotations in java.	08	L2	CO1
Module – 2					
Q.3	a.	Explain methods defined by NavigableSet interface.	06	L2	CO1
	b.	Formulate a java program using Linked List class with explanation.	08	L3	CO2
	c.	Describe six constructors of Priority Queue class.	06	L2	CO2
OR					
Q.4	a.	Describe how to use an Iterator and develop a java program using Iterator and ListIterator.	10	L3	CO2
	b.	Explain methods defined by Map interface.	05	L2	CO1
	c.	Create an example java program on HashMap.	05	L3	CO1
Module – 3					
Q.5	a.	Build an example java program using equals() and equalsIgnore case () with explanation.	06	L3	CO1
	b.	Develop a java program using charAt (), setcharAT () and getchars() methods.	09	L3	CO1
	c.	Formulate a java program using Concat method defined by string class.	05	L3	CO1
OR					
Q.6	a.	Explain delete () and delete charAT() methods with an example java program.	07	L3	CO1
	b.	Describe any five methods defined by string class.	05	L2	CO1
	c.	Create a java program using endsWith () and Value of () methods with explanation.	08	L3	CO1
Module – 4					
Q.7	a.	Explain any five methods of Servlet Request Interface.	05	L2	CO1
	b.	Develop a java program using suitable methods for reading servlet parameters with Generic Servlet.	07	L3	CO1
	c.	Construct an example JSP program on creating and reading a cookie.	08	L3	CO1

OR

Q.8	a.	Describe the methods defined by Cookie class and HTTP session interface.	08	L2	CO1
	b.	Explain the life cycle of a servlet.	05	L2	CO1
	c.	Build a java program for adding cookies to servlet.	07	L3	CO1

Module – 5

Q.9	a.	Explain the types of JDBC Driver and the process of connecting JDBC Driver to database.	10	L2	CO3
	b.	Develop a code snippet to read data from a Resultset in Java with explanation.	10	L3	CO3

OR

Q.10	a.	Explain the procedure to associate JDBC Bridge with the Database.	10	L2	CO3
	b.	Build a code snippet to batch SQL statements into a transaction using Java and JDBC.	10	L3,4	CO3
