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MASTER OF COMPUTER APPLICATIONS
EXAMINATION : JUNE - 2025
SEMESTER - III

Sub: Web Applications Using Java (MCA- 303-22)

Date : 11/06/2025

Total Marks : 60

Time: 2.00 pm To 4.30 pm

Instruction:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labelled diagram wherever necessary.

Q.1. Answer the following in 2-3lines. (Any 5) (10)

1. Write in details about cookies.
2. Explain Logical operator.
3. Write in detail about Java Beans.
4. Explain JSP scriptlet tag.
5. Write in details about Separators.
6. Write in details about cookies.
7. What is JVM?

Q.2. Answer the following in short. (Any 4) (20)

1. Write a Java program for multiplication of two matrices of the same size.
2. Explain conditional/Decision Making statements in details.
3. Explain inheritance with its types.
4. What is type casting? Explain its types.
5. Explain constructors and its types with example.
6. Explain lifecycle of JSP in details.

Q. 3. Answer the following in detail. (Any 3) (30)

1. Explain exception handling. Explain try, catch, throw, throws, finally in detail.
2. Write a note on OOPS.
3. Write a short note on servlet lifecycle. Explain types of it.
4. Explain loop statements with example.
5. Explain following string methods in details :
toLowerCase(), concat(), charAt(), replace(), indexOf(), isEmpty(), toString(),
length(), toUpperCase() , trim()
