

TILAK MAHARASHTRA VIDYAPEETH, PUNE
MASTER OF COMPUTER APPLICATIONS
EXAMINATION : DECEMBER - 2024
SEMESTER - III

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

Date : 27/12/2024

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. What is switch statement.
2. What are the datatypes supported by java?
3. Define the term “cookies”.
4. What is the use of executeQuery().
5. What is break statement in Java?
6. What is API?
7. Write in details about literals in java.

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

1. Explain conditional/Decision Making statements in details.
2. Distinguish between doGet() and doPost() methods.
3. Explain arrays and its types in details with example.
4. What is exception handling? Explain in details.
5. What is package? Explain in details with its types.
6. Write a Java program to add two matrices of the same size.

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

1. What is MVC architecture? Explain in detail.
2. Write a short note on servlet lifecycle. Explain types of it.
3. Write a short note on OOPs concept.
4. Write a JSP program to create a student registration form to collect information (roll number, name, email id, gender, class, username, and password) and display the values entered by the user in another page.
5. Explain following string methods in details
compareTo(), concat(), charAt(), replace(), equals(), isEmpty(), toString(), length(),
toUpperCase() , valueOf()
