

TILAK MAHARASHTRA VIDYAPEETH, PUNE
MASTER OF COMPUTER APPLICATIONS
(Specialization in Cloud Technology)
EXAMINATION : MAY - 2024
SEMESTER - I
Sub: Java Programming (MCCL23-102)

Date : 23/05/2024

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. List out basic JDK Tools.
2. What is class in java?
3. What is throw in java?
4. Define Datagrams.
5. What is AWT in java?
6. What is type casting in java?
7. List out bitwise operators in java.

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

1. Write a program to print whether the number is odd or even.
2. Differentiate between constructor and method in Java.
3. Differentiate between checked and unchecked exception in java.
4. What is character stream in java?
5. Explain events in AWT.
6. Explain properties of Java Classes.

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

1. Explain in detail the data types used in java.
 2. Write a program to calculate factorial of given number by using lamda expression.
 3. What is collection Interface in java? Explain methods of collections.
 4. Explain URL and URL Connection in java.
 5. Write a Program to display panel which has background color pink and two buttons names "ADD" and "DELETE" with Purple color.
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