SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR

ROLL No: [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Total number of pages:[1]
Total number of questions:06

MCA/ 3rd Sem
Java Programming
Subject Code: MCA304
Paper ID :

Time allowed: 3 Hrs

Important Instructions:

Max Marks: 60

- All questions are compulsory

PART A (2×10)

Q. 1. Short-Answer Questions:
(a) What do you mean by command line arguments?
(b) Explain scope of variables?
(c) Define abstract class.
(d) Explain garbage collection in Java.
(e) What is servlet life cycle?
(f) Differentiate JSP and Servlets.
(g) What is pop-up menu?
(h) Write a note on doPOST method.
(i) Define sockets in Java?
(j) What is JDBC?

PART B (8×5)

Q. 2. What are parameterized constructor? Elaborate with examples.   CO1
                                   OR
    Explain various loop statements in Java with examples.   CO1

Q. 3. What is multi threading? Explain its implementation strategies in Java.   CO2
                                   OR
    What are exceptions? How exceptions are handled in Java? Explain.   CO2

Q. 4. What is an interface? How can it be implemented?   CO3
                                   OR
    Explain function overloading with the help of an example.   CO3

Q. 5. What do you mean by Swings in Java? Explain.   CO4
                                   OR

What do you mean by Graphic Programming? Explain layout manager and   CO4
controls.

Q. 6. What are applets? Explain its working by taking an example.   CO5
                                   OR

What are the differences between UDP and TCP Sockets? Explain the role of   CO5
socket programming with an example.