

Madras University

MCA- Java Programming 2010

TIME: THREE HOURS

MAXIMUM: 75 MARKS

PART –A (1*10=10 MARKS)

ANSWER ALL QUESTIONS

Each answer should not exceed 50 words

1. What is a byte code?
2. Write a simple java program using bitwise operator
3. Write the different ways to create an array.
4. What are the advantages of inheritance?
5. What is the difference between throw and throws keyword?
6. How do we put applet onto a webpage?
7. Define a datagram packet class
8. Define JDBC.
9. Define servlet.
10. Mention two packages to be build servlet class

PART B (5*5=25 MARKS)

ANSWER ANY FIVE QUESTIONS

ALL QUESTIONS CARRY EQUAL MARKS.

Each answer should not exceed 200 words

11. Explain the static methods with suitable examples.
12. Illustrate the use of try-catch with examples.
13. Explain the importance of synchronization in multithreading.
14. Illustrate the use of update() & repaint().
15. Write short notes on Inet address.
16. Explain the HTTP servlet class
17. HOW to create inner classes in java.

PART C (4*10=40 marks)

ANSWER ANY FOUR QUESTIONS

Each answer should not exceed 500 words

18. Discuss in detail about method overloading & constructor overloading.
19. Explain the concept interface. Using it develop a stack data structure using array implementation
20. Explain how to read & write into file
21. Discuss the features in detail about JDBC with example
22. Describe servlet life cycle with neat diagram
23. Explain IPC with example.