

MCA/M07  
Java Prog. And Internet application  
MCA -401

Time : 3 Hours

MM:50

Note:- Attempt Five questions in all, selecting One question from each unit. All questions carry equal marks.

UNIT-I

- 1 What are various areas where internet is useful? Explain the following services provided by internet:
  - (a) E-mail
  - (b) FTP
  - (c) TELNET
  - (d) Chat and Bulletin Board
  - (e) NNTP
- 2 Find similarities and differences between PPP account and shell account for internet access. Can you access following through a browser (i) Gopher (ii) Anonymous FTP, if yes give example and if not then why?
- 3(a) What do you mean by platform independent? How JAVA achieve platform independency? Explain JDK with examples.  
(b) Write JAVA code to add 20 command line arguments of integer type.

UNIT-II

- 4(a) Explain the concept of final, finalize, finally, constructor, destructor with example in context of JAVA.  
(b) Write JAVA Code to pass parameter in your Applet.
- 5 Explain in detail Applet life cycle. Write a program to show the working of every function in Applet. Discuss how Applets are virus-free.
- 6 What are exceptions? Discuss various types of exceptions in Java Programming. How can you handle them? Write Java code to handle your own Exception.

UNIT-III

- 7 What are various stream classes in Java? Write Java code to read character from file and write into another file.

- 8 Write AWT program in JAVA to find the sum, multiplication and average of three numbers entered in three Text fields by clicking the corresponding Labeled Button. The result should be appearing in fourth text field.
- 9(a) Discuss how C++, JAVA, Applet Programming and Servlet Programming are differ
- 10 Write short notes on the following:
- (a) Layout Managers
  - (b) Packages
  - (c) USENET
  - (d) SMTP
  - (e) Domain Name System