

MCA/M08
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 How did Internet evolve, what are its various services? How it differs from WAN? Discuss its Topologies and Protocols.
- 2 Explain FTO, TELNET, USENET, NNTP and search engine.
- 3(a) Java is platform independent. Discuss in detail with its various features.
(b) Write program to add 20 integers, entered through keyboard.

UNIT-II

- 4 Differentiate:
 - (a) Public class and Abstract Class
 - (b) Run time and Compile time polymorphism
 - (c) Final and Finally keywords
 - (d) Exception and Threads.
- 5 How JAVA differ from C and C++? Explain various components of JDK and API.
- 6 What are Multiple, Multilevel and hybrid Inheritance? Can we implement Multiple Inheritance in JAVA? Justify your answer with suitable example.

UNIT-III

- 7(a) Explain Exception handling features of JAVA by taking example to handle your own exception.
(b) Discuss the role of static member functions and static class.
- 8 Explain with example character stream and byte stream classes. What are their importance over normal classes?
- 9 Design a Applet code in JAVA to display Prime numbers (from 1 to 100) in a TextFiled while Pressing Button "Click"
- 10 Explain with example:
 - (a) Function Overriding

- (b) Layout Mangers
- (c) Servlet clases
- (d) JVM