

Roll No.....

Total Pages: 3
10011

MCA/M-17
PROGRAMMING IN JAVA
Paper: MCA-14-41

Time: Three Hours

Maximum Marks: 80

Note: Attempt five questions including No. 1 which is compulsory. All questions carry equal marks.

Compulsory Question

1. Explain the following with suitable Java code :

- (a) Final, Finally, Finalize
- (b) Constructor Overloading
- (c) Polymorphism
- (d) Wrapper Class
- (e) Thread Priority and Synchronous
- (f) Layout Managers
- (g) Adapter Class
- (h) Menu.

Unit-I

- 2. (a) WAP to find the sum of 10 elements of a array using package.
- (b) WAP for concatenation of two strings.
- 3. Write Java code to find the area of rectangle using the concept of (a) function Overloading, (b) function over riding, (c) static class.

Unit-II

- 4. Can a Code Fire more then two exceptions? Justify your answer. Write program to handle your own exception.
- 5. What is Multithreading? Discuss Thread Life-cycle with Java code.

Unit-III

- 6. What is Applet Life cycle? Write Applet Code to find the sum of two integers entered in two text Fields T1, T2 and the result must be visible in third textField.
- 7. What are different stream classes? Write a Java programme to copying characters from one file into another file.

Unit-IV

- 8. (a) Write Applet Code to show the status of mouse movement.
- (b) Demonstrate different Layouts using suitable javacode.
- 9. (a) Write program to swap the value of textFields t1 and t2 while pressing the Button B.
- (b) Write applet code to draw the following graphics :

