

Roll No.

Printed Pages : 2

35015

BT-5 / D-17

NETWORK PROGRAMMING

Paper-IT-355

Time allowed : 3 hours]

[Maximum marks : 100

Note :- Attempt five questions in all selecting at least one question from each unit. All questions carry equal marks.

Unit-I

- I. (a) What do you understand by final class and final method? Using a suitable example explain the use of final method.
- (b) What do you understand by polymorphism? How is it implemented in Java?
2. (a) What is the difference between an abstract class and an interface? Explain.
- (b) What is a string? Discuss in brief the string handling features available in Java.

Unit-II

3. (a) What do you understand by checked and unchecked exceptions? Explain using suitable examples.
- (b) What is a package? Write a note on access protection in package.
4. What is a thread? Write a Java program for creating four threads to perform the following operations
 - (i) Getting N numbers as input
 - (ii) Printing the even numbers

35015

[Turn over

(2)

- (iii) Printing the odd numbers
- (iv) Computing the average.

Unit-III

5. What is an applet? Can applet class have a constructor? Justify your answer with proper explanation and example.
6. (a) Discuss the important methods in ServerSocket class.
- (b) What is JDBC? Discuss in detail the methods in Prepared Statement interface using suitable examples.

Unit-IV

7. (a) Design a screen in Java which accepts text in text box. If the left mouse is clicked, convert the text to uppercase and if the right button is clicked, convert it to lower case.
- (b) What do you understand by event, event source and event listener? What is the delegation event model? Discuss listener interface and adapter classes.
8. Write short notes on following:
 - (a) ServletRequest Interface
 - (b) Session Tracking in servlet

35015