

OCTOBER 2012

**P/ID 17463/  
RCN/PCAP**

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Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) What are the three OOP principles?  
Or  
(b) What are the basic arithmetic operators?
2. (a) Describe the general form of a class and declaring objects.  
Or  
(b) What are the differences between a constructor and parameterized constructor?
3. (a) Write short notes on access protection.  
Or  
(b) Explain the different views of the interfaces.
4. (a) Write a note on input stream.  
Or  
(b) Describe the chararrayreader and chararraywriter.

5. (a) Write short notes on AWT classes.

Or

(b) Explain URL and URL connection.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Describe the conditional statement if, if else, switch case and nested if.

7. Explain the following with examples :

(a) One dimensional array

(b) Multidimensional array.

8. Explain the various types of abstract classes.

9. Explain the methods available for exception handling.

10. Illustrate with a program the concept of interthread communication.

11. Summarize the different models of applets.

12. Explain the various types of AWT controls.

13. Discuss on layout managers and menus.