



P-3754

Second Year B. C. A. (Sem. IV) (CBCS) Examination

March / April – 2014

403 : Java Programming Language

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशिक निशानोंवाणी विगतो उत्तरवडी पर अवश्य लखवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
S. Y. B. C. A. (SEM. 4) (CBCS)

Name of the Subject :
403 : JAVA PROGRAMMING LANGUAGE

Subject Code No. : 3 7 5 4 Section No. (1, 2,.....) : Nil

Seat No. : [] [] [] [] [] [] [] []

Student's Signature

- (2) Attempt all questions.
(3) Figure on the right indicate mark.

1 Answer the following in short (any 7):

[14]

1. Explain shift right zero fill operator.
2. What is the difference between length and length().
3. Give difference between break and break label.
4. The default value of char type variable is
a. '\u0020' c. '\u00ff'
b. " " d. '\u0000'
5. What will be the result of the expression 13 & 25?
a. 38 c. 25
b. 9 d. 12
6. The expression (x==y && a<b) is true, if either x==y is true or a<b is true (true/false).
7. A constructor must always invoke its super class constructor in its first statement. (true/false).
8. What is difference between abstract and concrete classes?

2 Do as directed : (any 2)

[14]

1. Explain java program structure.
2. Explain how java is robust & architecture-neutral.
3. Explain wrapper classes.

3 Do as directed : (any 2)

[14]

1. Explain narrowing conversion with example. Also explain when it will take place.
2. What do you mean by overriding. Explain method overriding with example.
3. What do you mean by overloading. Explain method overloading with example.

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1

[Contd....

[14]

4 Do as directed : (any 2)

1. Explain dynamic method dispatch with example.
2. Explain lifecycle of an applet.
3. Explain inter-thread communication.

[14]

5 Do as directed :

1. Write an applet code to display 5 different images.
2. Write a java program to accept a number through command line & display whether it is palindrome or not.
3. Give output of following code:
 - a.

```
Int m = 100;
Int n = 300;
While(++m < --n)
System.out.println(m);
```
 - b.

```
String s="Six: " +3 +3;
System.out.println(s);
```

[5]

[5]

[4]