



G-3754

Second Year B. C. A. (Sem. IV) (CBCS) Examination
September/October – 2014
403 : Java Programming Language

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशक निशानीवाणी विगतो उत्तरवली पर अवश्य दक्षवी.
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. :

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Student's Signature

(2) Attempt all questions.

(3) Figure on the right indicate mark.

Q-1 Answer the following (any 7):

[14]

1. Explain bytecode.
2. What is the purpose of yield() methods.
3. Give difference between repaint() and update() method.
4. Give difference between wait() and join() method.
5. What will be the result of the expression $9 \mid 9$?
a. 1 c. 18
b. 9 d. none of the above
6. One of the feature of java is that an array can store many different types of values. (true/false).
7. The default case is always required in the switch selection structure. (true/false).
8. Write an importance of CLASSPATH variable.

Q-2 Do as directed : (any 2)

[14]

1. What is garbage collection? how it works?
2. Describe interface. How to create user defined interface?
3. Discuss static keyword in Java.

Q-3 Do as directed : (any 2)

[14]

1. Discuss various level of access protection available for packages.
2. What do you mean by wrapper class, why we need it?
3. Write a note on applet and explain any 3 methods of Graphics class with example.

Q-4 Do as directed : (any 2)

[14]

1. Write a note on StringBuffer class & its methods with example.
2. Discuss the hierarchy of Applet class structure. How to pass parameters to applet?
3. Explain exception handling in java.

Q-5 Do as directed :

[14]

1. Synchronization is necessary to avoid Deadlock" – Justify. Discuss about synchronization with example. 5
2. Write a program to accept a number through command line & display whether it is armstrong or not. 5
3. Identify error in following code. 4

1.

```
Public static void display()  
{  
    int x = 123456;  
    float f = 100.12;  
    System.out.println(" Float f= "+f);  
}
```
2.

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