



DM-0793

Third Year B. C. A. (Sem. V) Examination

September / October – 2006

Java Programming

(New Course)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दिये गए विवरणों के अनुसार परीक्षा पुस्तक पर चिह्न लगायें।
 Fillup strictly the details of signs on your answer book.

Name of the Examination :
 T. Y. B. C. A. (Sem. 5)

Name of the Subject :
 Java Programming

Subject Code No. 0 7 9 3 Section No. (1, 2,.....) Nil

Seat No.:

--	--	--	--	--	--

Student's Signature

(2) Q. 1 is compulsory.

(3) Figures to the right indicate full marks.

- 1 (a) How to prevent a class from subclassed ? 10
 (b) Give the functionality of For Name () method.
 (c) What do you mean by native method ?
 (d) Why java is robust ?
 (e) What are all the methods available in Runnable interface ?
 (f) Define Dalmon thread.
 (g) Is goto present in java.
 (h) Give the output :
 class ex

```

{
public static void main (string a [])
{
byte b = 20 ;
byte c = 15 ;
b = (byte) (b ^ c) ;
system. out. println (b) ;
}
}

```

- (i) What do you mean by local applet ?
 (j) Define immutable object.

- 2 Any three : 15
- (a) Write about instance method and class method. 5
 - (b) Discuss about private constructors ; why we need it ? 5
 - (c) Write about bit manipulation operators: 5
 - (d) Can an interface be final. can an interface have an inner class ? 5

- 3 (a) Can we call a constructor from another ? – Discuss. 15
- (b) Write about any five member modifiers.
 - (c) Write about the following :
 - (i) delete CharAt ()
 - (ii) ensure capacity ()

- 4 Any three : 15
- (a) Difference between string and string Buffer class. 5
 - (b) Difference between yield () and sleep (). 5
 - (c) Explain thread priority in detail with example.
 - (d) (i) Give the output : 3

```
public class ex1
{
    Public static void main (string C[] )
    {
        Long l = new Long (z) ;
        Integer i = new Integer (z) ;
        System. Out. println (l . equalsli)) ;
    }
}
```

- (ii) How to find whether a thread is active or not. 2

OR

- 4 (a) Give the order of method invocation in applet. 3
- (b) Write a note on deadlock.
 - (c) Which method waits for the child to die ? 3
 - (d) Write the output : 2

```
{
    int i ;
    int x = 1 ;
    string [] n = { "a", "b", "c" } ;
    n [ -- x ] = u.u ;
    System.out.print (n [ i ] ) ;
}
```

- 5 Any three : 15
- (a) Write about preemptive threads.
 - (b) What is the way to handle exception, which cannot be caught by catch block ?
 - (c) How threads communicate with each other ?
 - (d) Difference between abstract class and interface.