



RF-4829

M. C. A. (Sem. IV) Examination
April / May – 2010
Java Programming

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशवले निशानीवाणी विगतो उतरवडी पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
M. C. A. (Sem. 4)

Name of the Subject :
Java Programming

Subject Code No. : 4 8 2 9 Section No. (1, 2,.....): Nil

Seat No. :

Student's Signature

1 Write a brief note on any seven of the following:- 14

- (1) Who is called 'Father of Java'? What is full -form of JDK?
- (2) What is difference between 'equals ()' and '= ='?
- (3) What is full form of JDBC? Which package in Java contains API for JDBC?
- (4) What is minimum and maximum priority value for a thread?
- (5) Differentiate 'Class Variable' and 'Instance Variable'.
- (6) Which methods used to change case of a String?
- (7) Differentiate usage of 'Runnable' and 'Thread' for Multithreading.
- (8) Name any two methods provided by the 'Charsequence' interface in Java.

2 Write Java code for each of the following:- 14

- (1) Write a program to read a binary file and calculate the number of consonants, vowels, digits and other characters in this file. The resultant output should be placed in another binary file.
- (2) Write an applet to blink the string "VNSGU".

- 3** Attempt any **six** of the following:- **30**
- (1) Write short note on Applet life-cycle. What is importance of extending applet class?
 - (2) Write short note on Event Delegation Model.
 - (3) Explain any five constructors of String class?
 - (4) Explain use of: Throwable class, Exception class, Error class, throws keyword, throw keyword.
 - (5) Explain any five primitive datatypes with their range and size.
 - (6) List 2 similarities and 3 differences between abstract classes and interfaces.
 - (7) Write short note on layout managers. What is use of setlayout (null)?
- 4** Do as directed :- **12**
- (1) Write short note on:- Factory methods of InetAddress class.
 - (2) Explain pre-defined stream variables in System class.
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