

Roll No. 

Total No. of Pages : 02

Total No. of Questions : 09

**PGDCA (Sem.-2) (2012 Batch)**  
**PROGRAMMING IN JAVA**  
Subject Code : PDCA-201  
Paper ID : [B0150]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

**SECTION-A****I. Answer briefly :**

- (a) What are the differences between errors and exceptions?
- (b) What are wrapper classes?
- (c) What is the use of a package?
- (d) What are labelled loops?
- (e) What are the advantages of using constructors?
- (f) What is an applet?
- (g) What is a Runnable interface?
- (h) What do you mean by multi-level inheritance?
- (i) What are vectors?
- (j) What are keywords?

## SECTION-B

2. Differentiate between the following Java code segments with example :
  - (i) Abstract and concrete class
  - (ii) Method overloading and method overriding
  - (iii) Final and finally keywords
  - (iv) Class and object
3. Write the differences between object oriented programming and procedure-oriented programming.
4. Compare in terms of functions the following statements :  
while and do...while  
while and for  
break and continue
5. What is an exception? How is an exception different from an error? Explain raising an exception and its handling in Java with example.
6. What is an applet? What are the methods used in the applet programming?

## SECTION-C

7. Write an applet program to create your visiting card showing student name, address and contact information.
8. How is it possible to include your own exception in a Java program? Write suitable code for the purpose.
9. Discuss and justify the following :  
Java is a programming language.  
Java is an environment.  
Java is an equivalent to huge class library.  
Java is platform neutral.