K16U 0676

Reg. No. : ....

Name : ....

**Fourth Semester B.C.A. Degree (CBCSS – 2014 Admn. Regular)
Examination, May 2016
Core Course
4B09 BCA : JAVA PROGRAMMING**

Time : 3 Hours   Max. Marks : 40

SECTION – A

1. One word answer :

   a) An int data type in Java takes _____ bytes.

   b) _____ is used as destructors in Java.

   c) Division by zero is a type of _____ exception.

   d) _____ is a process in which a call to an overridden method is resolved at runtime rather than at compile time.

   e) _____ is a keyword used for invoking base class constructor.

   f) The package that contains color class is _____

   g) _____ is the default layout manager.

   h) The method used by a thread class for forcefully leaving the CPU is _____

                                                                                      (8×½=4)

SECTION – B

Write short notes on **any seven** of the following questions :

2. What is the use of wrapper classes ?

3. What are literals ?

4. What are character stream classes ?

5. What is an applet ?

                                                                                      P.T.O.

6. What is an abstract class ?

7. What is a package ?

8. What is the difference between throw and throws keywords in exception handling ?

9. What is an event ?

10. What is synchronization ?

11. What is a canvas ?   (7×2=14)

SECTION – C

Answer **any four** of the following questions :

12. Explain how multiple inheritance is achieved in java.

13. Explain the various character extraction functions of string class.

14. Write a Java program to find the greatest of three numbers.

15. What is the use of Runnable interface in Java ?

16. Explain the AWT controls Checkbox and Choice with constructors and examples.

17. Give an example program to illustrate how objects can be passed as parameters
    to methods.   (4×3=12)

Write an essay on **any two** of the following questions :

18. Explain in detail the features of Java.

19. Explain various exception handling mechanisms available in Java.

20. Write a package to find factorial of a number. Import the package to find nCr.

21. Write short notes on :
    a) Various access specifiers in Java.
    b) Applet lifecycle.   (2×5=10)

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