

**D 91062**

(Pages : 3)

Name.....

Reg. No.....

**FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2015**

(U.G.—CCSS)

Core Course—Computer Science

CS 5B 09—JAVA PROGRAMMING

(2012 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

I. Answer *all* questions :

- 1 Hiding unnecessary details from the user is known as \_\_\_\_\_.
- 2 An identifier can only start with an \_\_\_\_\_ or an alphabet.
- 3 What is the output of the following program ?

```
class ByteSize
{
    Public static void main(String[] args)
    {
        byte b = 128 ;
        System.out.println(b);
    }
}
```

- (a) 128.
  - (b) -128.
  - (c) Compilation error.
  - (d) None of the above.
- 4 What is the Extension of java bytecodes ?
  - 5 Methods that have same name, but different Parameter list and different definition known as \_\_\_\_\_.
  - 6 \_\_\_\_\_ method of System class can be used to copy quickly an array of any type from one place to another.
  - 7 \_\_\_\_\_ is the super class of java exception class hierarchy.
  - 8 \_\_\_\_\_ are passive controls that do not support any interaction with the user.

**Turn over**

- 9 The \_\_\_\_\_ method of applet skeleton is called only once during the life time of an applet.
- 10 Which class cannot be a subclass in java ?
- (a) An abstract class. (b) A Final class.  
(c) A Base class. (d) None of the above.
- 11 The constructors of URL class throw \_\_\_\_\_ exception.
- 12 \_\_\_\_\_ is the event generated by a scroll bar.

(12 × ¼ = 3 weightage)

Answer all questions :

- 13 Define constructor overloading.
- 14 What is the significance of switch statement in java ?
- 15 What is meant by garbage collection ?
- 16 Define stream.
- 17 Define Exception.
- 18 What is the use of finally clause in java ?
- 19 What is the difference between getDocumentBase() and getCodebase() ?
- 20 What you meant by AWT ?
- 21 What is the significance of Canvas class ?

(9 × 1 = 9 weightage)

Answer any five questions.

- 22 Explain the various literals in java ?
- 23 Explain about arrays in detail ?
- 24 What is the significance of the keyword 'super' in java ?
- 25 Briefly explain the use of multi-catch statement and nested try block with suitable programs.
- 26 What is a package ? Explain with an example, how name conflicts are resolved during package import.
- 27 Differentiate between byte streams and character streams. Explain with an example how file I/O can be carried out with any character stream class.
- 28 Briefly explain the use of buttons and the way of handling buttons with the help of a program.

(5 × 2 = 10 weightage)

IV. Answer any *two* questions.

29 What is meant by inheritance ? What are the different types of inheritance in java ? How multiple inheritance is implemented in java ?

30 (i) Define thread.

(ii) What is meant by the term multithreading ?

(iii) Explain about thread priorities. How can you change the priority of a thread ?

(iv) Explain the various thread states.

31 What are Applets ? Explain the applet tag in detail.

How parameters can be passed to an applet? Explain with an example program.

(2 × 4= 8 weightage)