

D 71071

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Name.....

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2014

(UG-CCSS)

Core Course

Computer Science

CS 5B 09—JAVA PROGRAMMING

(2012 Admissions)

Time : Three Hours

Maximum : 30 Weightage

I. Answer all questions :—

- 1 _____ is the process by which one object acquires the properties of another object.
- 2 _____ is the wrapper class for the primitive datatype char.
- 3 Thread class is available in _____ package.
- 4 pow () is an exponential method in _____ class.
- 5 Methods that have same name, but different Parameter list and different definition are known as _____.
- 6 Minimum threads in a program are _____.
- 7 If a method has same name as class name and don't have any return type then it is known as _____.
- 8 _____ method is called each time an applet's output must be redrawn.
- 9 ServerSocket class has a method called _____ which is a blocking call that will wait for a client to initiate communications.
- 10 Which is the super class of all events ?
- 11 Which event is generated when a component is added to or removed from a container ?
- 12 A _____ is an abstraction that either produces or consumes information.

(12 × ¼ = 3 weightage)

II. Answer all questions :

- 13 Define the scope of a variable.
- 14 What are the uses of break statement in Java ?
- 15 What is the use of command line arguments ?
- 16 What is an applet ?

- 17 Define a thread.
- 18 What is the use of finally clause in Java ?
- 19 What is the difference between TextField and Text area controls ?
- 20 What you meant by AWT ?
- 21 What is an event ?

(9 × 1 = 9 weightage)

Answer any *five* questions :

- 22 Explain about various access specifiers in Java.
- 23 A super class variable can refer a subclass object. Explain with a sample program ?
- 24 List and explain the functions in the String class that can be used for character extraction.
- 25 Briefly explain the features of adapter classes in Java?
- 26 Explain about thread synchronization.
- 27 Write note on delegation event model ?
- 28 What is the peculiarity of File class ?

Write a program in Java which creates a file reference and finds the following :—

- (i) Path of the file.
- (ii) Whether file exists or not.
- (iii) Whether the file is writable or not.
- (iv) Size of the file.

(5 × 2 = 10 weightage)

Answer any *two* questions :

- 29 Discuss the various principles of Object Orientation.
- 30 Define the term Exception. Explain Exception Handling techniques in Java.
- 31 Define Applet. Differentiate between an applet and an application program. Explain the applet life-cycle methods.

(2 × 4 = 8 weightage)