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 ?

Turn over

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 weight)

III. 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 extract

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 weight)

IV. 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 a
life-cycle methods.

(2 × 4 = 8 weight)