SS – 685

# V Semester B.C.A. Degree Examination, November/December 2018
## (F+R) (CBCS)
## (2016 – 17 & Onwards)
## Computer Science
## BCA 504 : JAVA PROGRAMMING

Time : 3 Hours Max. Marks : 70

***Instruction :*** *Answer **all** Sections.*

SECTION – A

I. Answer **any ten** questions : **(10×2=20)**

1) What are important elements of internet architecture ?
2) What are the default values of float and char primitives data types in Java ?
3) Give the general form of switch statement.
4) What is the difference between constructor and method ?
5) What is the difference between class and abstract class ?
6) What is instance variable ? Give an example.
7) Mention any four thread methods.
8) What are the different access modifiers in Java ?
9) What is the difference between error and exception ?
10) How applets differ from applications ?
11) What is the use of Java I/O classes ?
12) Define a stream in Java. Briefly mention the broad classification of Java stream classes.



SECTION – B

II. Answer **any five** questions : **(5×10=50)**

13) a) Explain the features of Java. **7**

b) Explain the difference between JDK and JRE. **3**

P.T.O.

14) a) Explain bitwise operators. 5

b) What is the difference between overloading and overriding ? 5

15) a) Explain any four string methods with examples. 4

b) Define inheritance. Explain any two types of inheritance supported by Java with examples. 6

16) a) Explain the process of creating user defined package with an example. 6

b) Give the general form of interface with an example. 4

17) a) Explain the cycle of a thread with neat diagram. 5

b) Write the steps involved in creating thread by implementing runnable interface. 5

18) a) Explain try...catch with an example. 4

b) Explain life cycle of an applet with a neat diagram. 6

19) a) Explain the steps of executing an applet using a simple code. 5

b) Write a program to implement mouse events. 5

20) a) Explain any six methods of graphics class with an example for each. 6

b) Write a short note on data output stream and data input stream. 4