SS – 396

V Semester B.A./B.Sc. Examination, November/December 2018
(CBCS) (F+R) (2016 – 17 & Onwards)
COMPUTER SCIENCE – V
Object Oriented Programming Using Java

Time : 3 Hours Max. Marks : 70

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

SECTION – A

I. Answer **any 10** questions. **Each** question carries **2** marks. **(10×2=20)**

1) Define class and object.
2) Write any 2 JDK tools and their description.
3) Differentiate between break and continue.
4) What is an array ? Write the syntax for two dimensional array.
5) Differentiate between entry controlled and exit controlled loop.
6) Explain wrapper class.
7) Differentiate between abstract class and interface.
8) What is the use of get priority() and set priority() ? Explain.
9) Define threads.
10) Differentiate between string and string buffer.
11) What is an applet ? Mention different types.
12) What are the 2 types of interactive I/O ? Explain.

SECTION – B

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

13) a) Explain any 5 features of Java. **5**
    b) Write any 5 differences between Java and C. **5**
14) a) Define inheritance and explain different forms of inheritance with examples. **5**
    b) Compare and contrast overloading and overriding methods. **5**

P.T.O.

15) a) Explain any 5 string methods of string buffer class in Java. 5

b) Define constructor. Explain constructor overloading with an example. 5

16) a) Define interface and write a program to explain how multiple inheritance is achieved using interface. 5

b) Define package. Write the purpose of any four API packages available in Java. 5

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

b) Explain multiple catch statements with examples. 5

18) a) Define exception. List some of the most common types of exceptions with examples. 5

b) Write a program to set priorities to threads in Java. 5

19) a) Explain applet life cycle with neat diagram. 5

b) Write a Java program to implement keyboard events using an applet. 5

20) a) Explain drawing a line and rectangle with example. 5

b) What are input and output streams ? Explain them with illustrations. 5
