



SN – 404

V Semester B.A./B.Sc. Examination, November/December 2017  
(Semester Scheme) (F + R) (CBCS) (16-17 and Onwards)  
COMPUTER SCIENCE – V  
Object Oriented Programming Using JAVA

Time : 3 Hours

Max. Marks : 70

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

SECTION – A

- I. Answer **any 10** questions. **Each** question carries **2** marks. (10×2=20)
- 1) What is a web browser ? Give an example.
  - 2) Write a note on JVM.
  - 3) What is nested if statement ? Give an example.
  - 4) What is a final variable ? Give an example.
  - 5) What is vectors ?
  - 6) Differentiate between string and string buffers.
  - 7) What is the use of import keyword ? Give an example.
  - 8) What is an error ? Mention types of errors.
  - 9) Differentiate between throws and throw keyword.
  - 10) Write a note on repaint () method.
  - 11) What is stream classes ? Mention two types of stream classes.
  - 12) Mention any four I/O exceptions.

SECTION – B

- II. Answer **any 5** of the following questions. **Each** question carries **10** marks. (5×10=50)
- 13) a) Explain any five features of Java. 5
  - b) What is command line arguments ? Explain with example. 5
  - 14) a) Explain any five bitwise operators. 5
  - b) Explain any two looping statements with syntax and example. 5
  - 15) a) Explain classes and objects with syntax and example. 5
  - b) Write a note on visibility controls. 5

P.T.O.



- 16) a) Write a Java program to sort list of elements in ascending and descending order and show the exception handling. 5  
b) Explain creating and implementing interfaces with example. 5
- 17) a) Write a note on user defined packages. 5  
b) Explain with neat diagram life cycle of a thread. 5
- 18) a) Write a note on implementing runnable interfaces with example. 5  
b) Explain multiple catch statements with example. 5
- 19) a) Explain getting numeric input from the user and display using applet. 5  
b) Write a Java program to implement keyboard event using applet. 5
- 20) a) Explain drawing circles and ellipse with example. 5  
b) Write a note on reading and writing characters to file. 5