



SM – 727

IV Semester B.Voc. Examination, May/June 2018
(CBCS) (Fresh) (2017 – 18 and Onwards)
Information Technology
403 : JAVA PROGRAMMING

Time : 3 Hours

Max. Marks : 70

Instruction : Answer *all* Sections.

SECTION – A

I. Answer **any 10** of the following :

(10×2=20)

- 1) Define JDK and its tools.
- 2) Define JVM.
- 3) Explain public static void main(string arg[]).
- 4) What are Java tokens ?
- 5) Mention the data types in Java.
- 6) How do you declare an array in Java ?
- 7) What is platform independence ?
- 8) How do you declare a constant variable in Java with an example ?
- 9) Explain any 2 string methods in Java with an example.
- 10) Explain the usage of this keyword.
- 11) Write the difference between applet and application program.
- 12) Define applet. Mention any 2 methods of applet.

SECTION – B

II. Answer **any 5** of the following :

(5×10=50)

- 13) a) Explain the features of Java ? 5
- b) Explain the command line argument in Java with an example. 5
- 14) a) Write a program to sort the list of elements in ascending and descending order and show the exception handling. 6
- b) Write the difference between C++ and Java. 4

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- 15) a) Explain inheritance and its types with an example. 6
 - b) Explain the final keyword with an example. 4
 - 16) a) Explain interface with an example. 6
 - b) Define vector. Mention any 4 methods of vector. 4
 - 17) a) Define package. How to create the user defined package in Java ? 5
 - b) Explain super keyword in Java with an example. 5
 - 18) a) Write a program for thread priorities in Java. 5
 - b) Explain the life cycle of thread. 5
 - 19) a) Explain the life cycle of applet. 5
 - b) Explain the <param> tag in Java Applet. 5
 - 20) a) How to create an user defined exception in Java with an example ? 5
 - b) Write a program to copy the content from one file to another file. 5
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