

Sl. No. 100017



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GS-752

IV Semester B.VOC. Examination, May/June - 2019

INFORMATION TECHNOLOGY

403 : Java Programming

(CBCS) (Fresher/Repeaters) (2017-18 & Onwards)

Time : 3 Hours

Max. Marks : 70

Instructions to Candidates : Answer **all** Sections.

SECTION - A

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

10x2=20

1. JAVA is platform independent. Justify.
2. Define JVM.
3. Write the default values of int and char datatypes in Java.
4. Write down drawbacks of an array.
5. Differentiate between string and string buffer.
6. Define Applet. Mention two types of applet.
7. What is method overloading ?
8. What is the use of 'super' keyword ?
9. Define an Interface. Write down its syntax.
10. What is single inheritance ? Explain.
11. What is multithreading ? Give example.
12. Define Vector. Write down its syntax.

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**SECTION - B**

- II.** Answer **any 5** of the following questions. **5x10=50**
- 13.** (a) Explain the features of Java. **5+5**
(b) Explain command line arguments with an example.
- 14.** (a) Differentiate C and Java. **5+5**
(b) Explain various Inheritances in brief.
- 15.** (a) Write a program to find factorial of a number using command line **5+5** argument.
(b) Explain Java program structure.
- 16.** (a) Explain interface with an example. **5+5**
(b) Write a note on Vector.
- 17.** (a) What is method overriding ? Explain with an example. **5+5**
(b) Write a program to demonstrate a abstract class.
- 18.** (a) Explain thread life cycle with a neat diagram. **6**
(b) Describe the methods to create a thread. **4**
- 19.** (a) Explain applet life cycle with a neat diagram. **5+5**
(b) Explain applet with <param> tag.
- 20.** (a) Explain exception handling in Java with example. **5+5**
(b) Write a program to demonstrate multithreading in Java.