



SE – 435

IV Semester B.Voc. Degree Examination, September 2020
(CBCS Scheme) (2017-18 and Onwards)
(Repeaters)
INFORMATION TECHNOLOGY
403 : Java Programming

Time : 3 Hours

Max. Marks : 70

Instruction : Answer all Sections.

SECTION – A

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

(10×2=20)

- 1) 'Java is both compiled and interpreted'. Justify this statement.
- 2) Mention any four components of JDK.
- 3) Explain two types of comments in Java.
- 4) Explain the meaning of the following statement :
Public static void main (string args[]).
- 5) Write the syntax of switch statement.
- 6) Mention the difference between while and do while loop.
- 7) Mention the differences between class and interface.
- 8) What is the difference between overloading and overriding ?
- 9) Mention any four API packages in Java.
- 10) What is meant by exception ? Mention two types of exceptions.
- 11) What is the role of keyword 'final' ?
- 12) Write a note on command line argument.

SECTION – B

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

(5×10=50)

- 13) a) Explain five features of Java.
b) Mention the differences between C++ and Java. (5+5)
- 14) a) What is the purpose of relational operators ? Write a program to illustrate relational operators.
b) Explain the syntax of for loop with a suitable programming example. (5+5)

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- 15) a) What is a constructor ? Mention the characteristics of constructors.
b) Write a program to complement constructor over loading. (5+5)
- 16) a) What is meant by inheritance ? Explain various types of inheritance.
b) What is meant by vector ? How it differs from an array ? Mention four methods of vectors. (5+5)
- 17) a) What is a package ? Write a program to illustrate user defined package in Java.
b) Explain the life cycle of thread. (5+5)
- 18) a) Explain how interface is used to implement multiple inheritance.
b) Write a program to illustrate exception handling. (5+5)
- 19) a) What is an applet ? Mention the differences between applet program and standalone program.
b) Explain the life cycle of an applet. (5+5)
- 20) a) Write a note on Java Streams.
b) Write a program to create student report using applet. Read the input using text boxes and display the output using buttons. (5+5)

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