



44671/C0210

Reg. No.

--	--	--	--	--	--	--	--

III Semester B.C.A. 5 Degree Examination, March - 2022

JAVA PROGRAMMING (Theory)

(Regular)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. *All the Sections are Compulsory.*
2. *Draw a neat Diagram wherever necessary.*
3. *Write question numbers neatly & correctly.*

SECTION - A

Answer any **Ten** of the following.

(10×2=20)

1. a) What is Class and object?
- b) Define JVM and JRE.
- c) Define array. Give example for declaring and initializing array in Java.
- d) What is methods Overloading?
- e) What is super class and sub class?
- f) Define Final and Super keyword.
- g) What is exception handling?
- h) Define Multithreading.
- i) Define applet. Write a HTML tag used to create an applet.
- j) State the methods of Graphics Class.
- k) Define abstraction and encapsulation.
- l) Define vector.

[P.T.O.]



(2)

44671/C0210

SECTION - B

Answer any **Four** of the following.

(4×5=20)

2. Explain in detail features of Java.
3. Explain any five string methods in Java with usage and example.
4. Write a program to demonstrate use of user defined package by importing the package and access the number variable of class contained in the package.
5. Write a note on file reader and file writer.
6. Explain differences between Applet and Applications.
7. Explain Thread priorities.

SECTION - C

Answer any **Four** of the following.

(4×10=40)

8. a) Write a Java program to find a factorial of a number reading input as command line argument.
b) Explain looping statements in Java.
9. Explain following terms in detail with example Static Data, Static Method, Static Blocks.
10. a) Explain various access control modifiers in Java.
b) Explain Inheritance and its types in detail.
11. a) Explain thread life cycle with neat diagram.
b) Explain different types of exception handling.
12. a) Explain life cycle of applet with neat diagram.
b) Write a applet program to draw a line, rectangle and circle.

<https://www.karnatakastudy.com>

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से

<https://www.karnatakastudy.com>