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Roll No. :

BCA-13

Programming in JAVA

Bachelor of Computer Application (BCA-11/16/17)

4th Semester Examination June 2022

Time : 2 Hours

Max. Marks : 80

Note : This Paper is of Eighty (80) marks divided into two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given there in.

Section-A

(Long Answer-type questions)

Note: Section 'A' contains Five (05) Long-answer type questions of Twenty (20) marks each. Learners are required to answer any two (02) questions only.

(2 x 20 = 40)

Q.1. Write various step to develop compile and run java program?

P.T.O.

- Q.2 Explain the various access modifiers in Java?
- Q.3 What is Object Oriented Programming? Explain the basic concept of Object Oriented Programming?
- Q.4 What is Inheritance? Explain the different forms of Inheritance in Java?
- Q.5 Explain the following :
- a. Java Token
 - b. JDBC
 - c. AWT

Section-B

(Short Answer-type questions)

Note: Section 'B' contains Eight (08) Short-answer type questions of ten (10) marks each. Learners are required to answer any four (04) questions.

(4 x 10 = 40)

P.T.O.

- Q.1 Differentiate between C, C++ and Java?
- Q.2 What do you mean by constructor overloading? Explain with example?
- Q.3 Explain the JVM and Byte codes?
- Q.4 What is data type? List various data types supported in Java?
- Q.5 Differentiate between Applet and Application. Draw the life cycle of an applet.
- Q.6 Explain the various levels of access protection available for packages?
- Q.7 What are various techniques to handle exceptions in Java?
- Q.8 Write short notes on the following :
- a. Swings
 - b. Reading and Writing files from file handling streams and the stream classes.