

NRT/KS/19/5531

Bachelor of Commerce (Computer Application) (B.C.C.A.) Semester-IV Examination

CORE JAVA

Compulsory Paper—3

Time : Three Hours]

[Maximum Marks : 80

Note :— (1) Draw well labelled diagram wherever necessary.

(2) All questions are compulsory.

PART—A

Note :— (1) Each question carries **2** marks.

(2) Answer should not be more than **5** lines.

1. (a) What is Java ?
- (b) What is variable ?
- (c) What is loop ?
- (d) Why exception occurs ?
- (e) What is Event ?
- (f) Define Applet.
- (g) Define inner class.
- (h) What is the purpose of graphics class ?

8×2=16

PART—B

Note :— (1) Each question carries **3** marks.

(2) Answer should not be more than **10** lines.

2. (a) How to run program in Java ?
- (b) Explain operator precedence.
- (c) Explain the syntax of while loop.
- (d) Explain Static Method.
- (e) Explain any two methods in Mouse Event.
- (f) How to play sound file in applet ?
- (g) Explain graphics class.
- (h) Explain swing package.

8×3=24

PART—C

Note :— (1) Each question carries **5** or **10** marks.

(2) Answer should not be more than **400** words for **5** marks question and **600** words for **10** marks questions.

EITHER

3. (a) What is Java ? Why learn Java ? 5
- (b) Explain Hello Web Applet. 5

OR

(c) Describe various data types in Java. 10

EITHER

4. (a) Explain try catch finally block. 5

(b) Explain Button component in detail. 5

OR

(c) What is Method ? Write down its syntax. Explain passing parameters to method with example. 10

EITHER

5. (a) Describe Grid Layout in detail. 5

(b) Explain any five Mouse Events. 5

OR

(c) Explain different types of Window Event. 10'

EITHER

6. (a) Explain draw Image() method. 5

(b) Explain javadoc Utility. 5

OR

(c) Write down the purpose of font class. Explain any four methods of font class. 10