Reg. No. ☐☐☐☐☐☐☐☐☐☐☐☐

BCACACN 203

Second Semester B.C.A. Degree Examination, June/July 2024
(NEP – 2020)
(2021 – 22 Batch Onwards)
OBJECT ORIENTED CONCEPTS USING JAVA

Time : 2 Hours

Max. Marks : 60

Note : *Answer **any six** questions from Part – **A** and **one full** question from **each** Unit in Part – **B**.*

PART – A   (6×2=12)

1. a) What is Java Bytecode ?

   b) Write the syntax of simple if statement with example.

   c) What is the use of this keyword in Java ?

   d) List any four string methods available in Java.

   e) What is the purpose of keyword extends ?

   f) List any four API packages of Java.

   g) What is an applet ? List its types.

   h) What is the purpose of Event Listener ?

PART – B

Unit – I

2. a) Explain any four features of Java.

   b) List and explain different primitive data types in Java.

   c) Explain switch statement with syntax and example.   (4+4+4)

3. a) Explain the various features of OOP.

   b) What are streams ? List and explain different byte and character streams.

   c) Explain the Java program structure with example.   (4+4+4)

P.T.O.

BCACACN 203

Unit – II

4. a) Explain while loop with syntax and example.
   b) Explain the use of constructors with suitable example.
   c) What is recursion ? Illustrate recursion with a code example. (4+4+4)

5. a) Write the general form of a class. Explain how to define a class in Java with suitable example.
   b) Explain for loop with syntax and example.
   c) Explain any five vector methods with code example. (4+4+4)

Unit – III

6. a) Explain how to create and implement interface with suitable program example.
   b) Explain exception handling in Java with suitable program example. (6+6)

7. a) What is inheritance ? Explain single inheritance with suitable program example.
   b) List and explain thread methods with example. (6+6)

Unit – IV

8. a) Write a note on delegation event model.
   b) List and explain any 4 methods defined by Applet. (6+6)

9. a) Explain the use of JTextField and any four methods associated with it.
   b) Write a note on Swing components and containers. (6+6)

_____