**BCA 3rd Semester Internal Examination – 2024**

Java Programming – BCA (303)

Time: 3 hoursFull Marks: 60

**Section - A**

**1. Attempt any six questions of the following: 2x6 = 12**

(a) What is path and class path?

(b) Explain the concept of command line argument.

(c) What is an operator?

(d) What is type conversion?

(e) What is loop in java?

(f) What is a class and object in java?

(g) Explain the concept of constructor.

(h) What is an interface?

(i) Explain package in java.

(j) What are stream classes?

**Section – B**

**2. Attempt any three questions of the following: 4x3 = 12**

(a) Differentiate between procedural-oriented and object-oriented programming language.

(b) What is variable? Explain the types of variables with an example.

(c) Explain selection statement and its types.

(d) Explain the concept of access modifiers and their use with an example.

(e) What is thread? Explain its life cycle.

**Section – C**

**3. Attempt any three questions of the following: 12x3 = 36**

(a) Explain the concept of function overloading and function overriding with a suitable example.

(b) Define an array with its types and give an example of one dimensional array.

(c) Explain inheritance with its type and give an example of single inheritance.

(d) What is an exception? Explain the concept of try, catch, and throw with an example.

(e) What is an applet? Explain the life cycle of an applet.