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ROLL No:

Total number of pages:[ 1]
Total number of questions:06

BCA 3$^{rd}$Sem

# Programming In Java

## Subject Code:BCAP1-313

### Paper ID:

**Time allowed: 3 Hrs**

**Max Marks: 60**

**Important Instructions:**

- **All questions are compulsory**

### PART A (2×10)

Q. 1.   Short-Answer Questions:                                    All COs
    (a) How java is a portable language?
    (b) Define Byte Code?
    (c) What is static function.
    (d) Differentiate between Inner and Outer Class?
    (e) What are the situations where final keyword can be used.
    (f) What is Finalize() method?
    (g) Write any four in-built package name.
    (h) What is the importance of using an Interface?
    (i) What are GUI controls?
    (j) Define super keyword.

### PART B (8×5)

Q. 2.   Differentiate between C++ and Java Language.                 CO1
                    OR

Explain various features of java language.                         CO1

Q. 3.   Explain different types of access specifiers with example.  CO2
                    OR

What are constructors? Explain different types of constructors ?   CO2

Q. 4.   What is Multithreaded Programming? Explain its life cycle and different   CO3
types of thread implementation?
                    OR

What are Packages? Explain its types. How it can be implemented?   CO3

Q. 5.   What is an Applet and its Life cycle? Differentiate between an application   CO4
and an applet?
                    OR

What is exception handling? How does java handle exception?        CO4

Q. 6.   What is an Event? How events can be handled in Java?        CO5
                    OR

How multiple inheritance can be implemented in java using Interfaces.   CO5