

2+2=4

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR

ROLL No:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total number of pages: 11
Total number of questions: 06

B.C.A. 3rd Sem

Programming in Java

(RP)

Subject Code: BCAP1-313

Paper ID: M/18

Time allowed: 3 Hrs

(2016 batch onwards) Max Marks: 60

Important Instructions:

- All questions are compulsory

PART A (2×10)

Q. 1. Short-Answer Questions:

All COs

- What is JDK?
- Define Applet.
- Differentiate between java and C++.
- Define Polymorphism. How is it implemented in Java?
- What are Byte Codes?
- What are different types of errors?
- What is an Interface in Java?
- What is constructor? List its properties.
- What are access modifiers in Java? Illustrate with examples.
- Write down the syntax to create class and object.

PART B (8×5)

Q. 2. What is Object-Oriented Programming? Discuss the benefits of OOP.

CO1

OR

Explain Polymorphism in java. How it is implemented? Write example programs for the same.

CO1

Q. 3. What are the various data types available in Java? Explain.

CO2

OR

How do you define a class in Java? Create the class in java with program.

CO2

Q. 4. What is the purpose of applet programming in java? Explain the life cycle of an applet in detail.

CO3

OR

What are conditional statements in Java? Explain statements with examples.

CO3

Q. 5. What is Inheritance? Explain its different types. Write java program to implement multiple inheritance.

CO4

OR

What do you know about multithreading? How it is implemented in Java?

CO4

Q. 6. What are various techniques to handle Exceptions in Java? Explain with example

CO3

OR

What is Inheritance? Explain its different types with programs.

CO4