

BANKURA UNIVERSITY

B. Sc. (HONOURS) SECOND SEMESTER EXAMINATIONS, 2022

Subject: Computer Science

Course ID: 21511

Course Code: SH/CSC/201/C-3

Course Title: Programming in JAVA

Full Marks: 25

Time: 1 Hr. 15 Min.

The figures in the margin indicate full marks

Answer all the questions.

UNIT I

1. Answer *any five* of the following questions: (5×1=5)

- a) What is Servlet?
- b) What is Java thread?
- c) What is Exception?
- d) What is metadata?
- e) What is method overriding?
- f) Define Copy Constructor in Java.
- g) Differentiate between instance and local variables.
- h) What is “this” keyword in Java?

UNIT II

2. Answer *any two* of the following questions: (2×5=10)

- a) Define array. Write on different types of arrays in Java. (1 + 4)
- b) Discuss about exception handling.
- c) Explain single inheritance in Java with proper example.
- d) Write down a Java program that takes as input an integer value and calculate its factorial through two different methods.

UNIT III

3. Answer *any one* of the following questions:

(1×10=10)

- a) Write about package and interfaces of Java with suitable examples.
- b) What is Java utility? Write a Java program to implement date and calendar utility classes.

(1+9)

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