



‘समानो मन्त्रः समितिः समानी’

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 2nd Semester Examination, 2022

CC3-COMPUTER SCIENCE (22)

PROGRAMMING IN JAVA

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
All symbols are of usual significance.*

1. Answer any **five** of the following: 1×5 = 5
 - (a) What is the use of JVM?
 - (b) What is garbage collection?
 - (c) What is overriding?
 - (d) What is data abstraction?
 - (e) What is a constant?
 - (f) Define abstract class.
 - (g) What are wrapper classes?
 - (h) What are constructors?

2. Answer any **three** of the following: 5×3 = 15
 - (a) Explain OutputStream class.
 - (b) Explain applet life cycle with suitable diagram.
 - (c) Describe access control specifiers with example.
 - (d) Explain the features of Java Language.
 - (e) Explain the concept of inheritance and its types.

3. Answer any **two** of the following: 10×2 = 20
 - (a) Explain the fundamentals of exception Handling and the exception types in JAVA with the help of example.
 - (b) Explain Constructor Overloading with an example. Also describe the usage of super keyword with the help of suitable example.
 - (c) Illustrate the Iteration Statements with suitable example.
 - (d) Explain polymorphism features of Java with the help of suitable example.

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