

[21-BS 425-A]

AT THE END OF FOURTH SEMESTER (CBCS PATTERN)

COMPUTER SCIENCE-IV(A)- OBJECT ORIENTED PROGRAMMING USING JAVA

UG PROGRAM (4 YEARS HONORS)

(w.e.f. Admitted Batch 2020-21)

Time: 3 Hours

Maximum: 75 marks

Section – A

Answer any FIVE Questions.

5 x 5 = 25

1. Explain in brief about Java Virtual Machine.
2. Define String. Explain about String Class Methods.
3. Define Polymorphism. Discuss about Polymorphism with Static Methods.
4. Write the Uses of Threads? Write the concept of Multi-Tasking Using Threads.
5. How do you Retrieve Data from MySQL Database?
6. Define Array? Explain about different Types of Arrays.
7. How do you Pass Primitive Data Types to Methods? Explain.
8. Explain about Abstract Method and Abstract Class.

Section – B

Answer All Questions.

5 x 10 = 50

9. a) Define Operator. What are the different Types of Operators?
(Or)
b) Discuss in brief about Control Statements in Java.
10. a) Explain the Features of Object-Oriented Programming Systems (OOPS).
(Or)
b) Define Inheritance. Explain about different Types of Inheritance.
11. a) Discuss in detail about Type Casting.
(Or)
b) Define Package. Explain about different Types of Packages.
12. a) Define Stream. How do you create a File using FileOutputStream? Explain.
(Or)
b) Define Thread. Explain about Thread Life Cycle.
13. a) Define Applet. Write a Sample Program to Create Applet. What are the Uses of Applets?
(Or)
b) Discuss in detail about Java Database Connectivity (JDBC).