

[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

Max. Marks: 75

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Explain Features of Java.
2. Explain Immutability of strings.
3. Write about Built-in Exceptions.
4. Explain about priority of Threads.
5. Explain database servers.
6. Explain JVM.
7. What is constructor? Explain different types of constructors.
8. What is Exception? Explain different types of Exceptions.

SECTION B — (5 × 10 = 50 marks)

Answer ALL the questions.

9. (a) Explain Java Tokens.
Or
(b) Explain different looping statements available in Java.
10. (a) Explain string class Methods in java.
Or
(b) Define Inheritance. Explain various types of Inheritance.

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11. (a) Explain defining, Extending, implementing interfaces with example.

Or

(b) What is package? Explain different types of Java API packages.

12. (a) What is thread? Explain different ways to creating threads in Java with example.

Or

(b) Explain about serialization deserialization of Objects.

13. (a) Explain Applet lifecycle.

Or

(b) Explain about retrieving data from MySQL Database.