

**19P337**

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Name.....

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2020**

(CBCSS-PG)

**CC19P CSS3 C12 - OBJECT ORIENTED PROGRAMMING CONCEPTS**

(Computer Science)

(2019 Admission Regular)

Time: Three Hours

Maximum: 30 Weightage

**PART A**

Answer any *four* questions. Each question carries 2 weightage.

1. Explain parameterized constructors in java.
2. Explain the concept of class hierarchy in java.
3. Differentiate between method overloading and method overriding.
4. Explain the need of Synchronization in java with an example.
5. Explain Type conversion and Casting in Java.
6. Describe about static and final in java with examples.
7. Describe about Applet in java with an example.

**(4 x 2 = 8 Weightage)**

**PART B**

Answer any *four* questions. Each question carries 3 weightage.

8. Explain about Thread states in java with diagram?
9. Describe about various control structures in java.
10. Explain Interfaces in java with an example.
11. Explain how to create a thread in java? Give examples.
12. Explain Exception handling mechanism in java with examples.
13. Describe about important event classes and event listeners in java.
14. Explain any six java swing components with examples.

**(4 x 3 = 12 Weightage)**

**PART C**

Answer any *two* questions. Each question carries 5 weightage.

15. Explain Inheritance with examples.
16. Explain UML diagrams, class diagrams, object interaction diagrams, state and activity diagram.
17. Describe about byte stream and character stream classes in java with examples.
18. Explain about network programming in java.

**(2 x 5 = 10 Weightage)**

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