

**A**

**KMM INSTITUTE OF POST GRADUATE STUDIES::TIRUPATI**

**Time: 3hrs**

**MCA:102: OOP WITH JAVA/ PREFINAL-EXAMINATION**

**Max : 100 marks**

**MCA 1<sup>ST</sup> SEMESTER**

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**Section – A**

5 X 5 = 25 marks

Answer any **FIVE** questions

1. Discuss about Data types and how it is used in Java.
2. Final Keyword in java
3. Synchronization of Threads in Java
4. String Tokenizer
5. Applet Tag in HTML
6. Write about String functions in Java.
7. Server Socket
8. URL Class
9. Discuss about use of static keyword in java.

**Section – B**

5 X 15= 75 marks

Answer any **FIVE** question Choosing **ONE** from each Unit.

**UNIT-I**

10. Discuss about Features of Java in detail.

OR

11. What is an interface and how it is implemented in java with an Example .

**UNIT-II**

12. What is a Package and how it is implemented in java with an Example.

OR

13. Write about Thread Class and its methods with an Example.

**UNIT-III**

14. Discuss about File Streams in Java.

OR

15. Array Class and Vector Class.

**UNIT-IV**

16. Discuss about Event Handling in Java.

OR

17. Write a Java program using Swings for employ pay Calculation

**UNIT-V**

18. Explain about usage of Server and Server Socket Class with an example.

OR

19. Types of JDBC drivers.

**B**

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**Section – A**

5 X 5 = 25 marks

Answer any **FIVE** questions

1. Discuss about various Operators available in Java?
2. Inheritance in Java
3. Super, this Keyword in java
4. Access Specifiers in Java
5. Wrapper classes
6. Array Creation and an example to find Sum of array elements.
7. Write about Byte Streams in Java
8. How to view data from Database using JDBC.
9. Layout Managers.
10. Write any 5 Math Library Functions.

**Section – B**

5 X 15= 75 marks

Answer any **FIVE** question Choosing **ONE** from each Unit.

**UNIT-I**

11. Discuss about OOPs concepts in detail.

OR

12. Discuss about decision making and loop statements in Java with an example.

**UNIT-II**

13. Exception Handling in Java with an Example.

OR

14. Implementing and Usage of Threads with an Example in Java.

**UNIT-III**

15. Discuss about File Streams in Java.

OR

16. Discuss about Collection classes in Java.

**UNIT-IV**

17. Discuss about Applet and write an Applet to display a String.

OR

18. Event Handling in Java

**UNIT-V**

19. Explain User Datagram Protocol.

OR

- 20.Enumerate steps in connecting Java Application to Database.