Day : Thursday   Time : 02:30 PM-05:30 PM

Date : 15-12-2022   **W-13400-2022**   Max. Marks : 60

....

N.B
  1) All questions are **COMPULSORY**.
  2) Figures to the right indicate **FULL** marks.
  3) Assume suitable data If **NECESSARY**.

Q.1   Describe the features of object oriented programming.   **(10)**
                                         OR
           Discuss the benefits of object oriented programming.   **(10)**

Q.2   Discuss the following features of Java-   **(10)**
           i)   Object oriented   ii)   Robust and Secure
           iii) Platform-Independent and Portable   iv)   Distributed
                                         OR
           With the help of examples discuss how multilevel and multiple inheritances   **(10)**
           are implemented in Java.

Q.3   What is multithreaded programming? With the help of sample code describe   **(10)**
           how multithreading is implemented in Java.
                                         OR
           With the help of example describe use of try, catch, throw, throws and finally   **(10)**
           keywords for exception handling in Java.

Q.4   With the help of example describe the following HTML tags.   **(10)**
           i)   Anchor   ii)   Marquee
           iii) Image   iv)   Lists
                                         OR
           Describe how to create and run a Java applet with the help of example.   **(10)**

Q.5   Describe the terms: **(10)**
           i)   Database Management system   ii)   Data Models
           iii) DDL   iv)   DML
                                         OR
       a) What are the different data types in SQL?   **(05)**
       b) Describe CREATE TABLE command with the help of example.   **(05)**

Q.6   What is JDBC? Describe JDBC architecture in detail.   **(10)**
                                         OR
           What are the steps involved in establishment of a JDBC connection?   **(10)**
           Describe them in detail.

                        **   **   **