

III Answer any SIX of the following: (Q.No 28 is compulsory)

6 x 3 = 18

24. What are the advantages of Tuples over a list?
25. What are class members? How do you define it?
26. Write a SQL statement to modify the student table structure by adding a new field.
27. Write a Python program to modify an existing file.
28. Differentiate PYTHON and C++.
29. Mention the difference between fetchone() and fetchmany()
30. Write any three uses of data visualization.
31. What is MinGW? What is its use?

IV Answer the following in detail

5 x 5 = 25

32. What the different ways to insert an element in a list. Explain with suitable example.
(or)
Explain the different set operations supported by python with suitable example.
33. Explain the characteristics of DBMS.
(or)
Write the different types of constraints and their functions.
34. What are the components of SQL? Write the commands in each.
(or)
Differentiate Excel file and CSV file.
35. Tabulate the different mode with its meaning.
(or)
Explain each word of the following command.
COMMAND: Python <filename.py> -<i> <C++ filename without cpp extension>
36. Explain the various buttons in a matplotlib window.
(or)
Write a Python program for the following:
 - a) Factorial of a given number
 - b) To check whether a given number is odd or even using a function.