



ASSIGNMENT NO. 5

SUBJECT: INFORMATICS PRACTICES

CLASS-XI

Nov,2025

Structured Query Language, Emerging trends

Q1. Write the SQL command to create a table Employee with the following fields:

- EmpID (Integer, Primary Key)
- Name (Character, 30)
- Salary (Integer)
- Department (Character, 20)

Q2. Consider the table Student:

RollNo Name Marks Grade

1	Rohan	85	A
2	Meena	62	B
3	Ajay	45	C
4	Sneha	90	A

Write SQL queries for:

a) Display names of students who scored more than 70 marks.

b) Display RollNo and Name of students having Grade 'A'.

Q3. Write the SQL command to increase the salary of all employees in the Employee table by 10%.

Q4. Differentiate between WHERE and HAVING clause in SQL with an example.

Q5. Explain the purpose of the following SQL functions with an example each:

a) AVG() b) UPPER() c) COUNT ()

Q6. What is Cloud Computing? Write two advantages of using it in business.

Q7. Differentiate between Artificial Intelligence (AI) and Machine Learning (ML) with suitable examples.

Q8. List any two applications of Robotics in real life.

Q9. What is Big Data? How is it useful in the field of healthcare or e-commerce?

Q10. Write short notes on any two of the following:

a) Internet of Things (IoT) b) Virtual Reality (VR) c) 3D Printing

11. What is Blockchain Technology? Mention one of its applications outside cryptocurrency.

Q12. Explain the term Augmented Reality (AR). Give one real-life example where AR is used.

Q13. Write any three advantages and two disadvantages of using Cloud Storage.

Q14. How can Artificial Intelligence be used in: a) Education b) Transport

Q15. Differentiate between Virtual Reality (VR) and Augmented Reality (AR) with suitable examples.