



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL

MID APRIL TEST (2026-27) INFORMATION TECHNOLOGY (802)

Class: XII

Date: 18-04-2026

Admission No. :

Time : 1 hr.

Max Marks: 25

Roll No. :

MARKING SCHEME

SECTION A: OBJECTIVE TYPE QUESTIONS

Q1. (Any 5)

1. (a) To represent a mini real world
2. (c) They ensure data consistency, provide security and allow for data backup
3. (a) Degree
4. (c) Show databases;
5. (b) Designing the database schema
6. (c) Show Tables from Database_Name;
7. (d) All of these
8. (c) Five
9. (d) All of these

Q2. Fill in the blanks

1. Structured
2. Stored
3. HAVING
4. DELETE

SECTION B: SUBJECTIVE TYPE QUESTIONS

Q3. Data and Information

Ans: Data: Raw facts and figures (e.g., marks: 85, 90, 78)

Information: Processed data that has meaning (e.g., average marks = 84%)

Q4. Types of users in DBMS

Ans: Types:

Database Administrator (DBA) , Application Programmers
End Users , Database Designers

Example (DBA):

Responsible for managing database security, backup, recovery, and performance.

Q5. Advantages & Disadvantages of DBMS

Ans: Advantages:

- Reduces data redundancy
- Improves data security

Disadvantages:

- High cost of setup
- Requires skilled professionals

Q6. Aggregate Functions in SQL

Ans: SUM() , AVG() ,COUNT() , MAX() / MIN()

Q7. SQL Command to Create Table ITEM

Ans: CREATE TABLE ITEM (
G_ID CHAR(4), Description VARCHAR(20),
Manufacture_Date DATE, Price DECIMAL,
Warranty INT);

Q8. Suitable Datatypes

Ans:

Column	Datatype
Emp_ID	INT / CHAR
Name	VARCHAR(30)
Basic Salary	DECIMAL
DateofJoin	DATE

Q9. Definitions

Ans:

(a) Active Listening:

The process of carefully hearing, understanding, and responding to a speaker.

(b) Interview:

A formal conversation where questions are asked to assess a candidate.

Q10. Factors affecting Active Listening (any 2)

Ans: Noisy environment , Lack of attention , Poor body language ,Emotional disturbance

Long Answer Questions

Q11. Components of Communication Cycle (any 3)

Ans: **Sender:** Person who sends the message ,**Message:** Information to be communicated

Receiver: Person who receives the message ,**Feedback:** Response from receiver

Channel: Medium used

Q12. Keys in DBMS

Ans:

(a) Primary Key:

Uniquely identifies each record in a table.

(b) Foreign Key:

A field that links one table to another.

(c) Candidate Key:

All possible keys that can uniquely identify records.

Q13. SQL Queries

(i) SELECT Employee_num, HRA, Gross FROM Employee;

(ii) SELECT Employee_num, DA, PF_Contributions FROM Employee
WHERE DA >= 7000;

(iii) SELECT Employee_num FROM Employee;

Q14. SQL Queries (Library Table)

(i) SELECT * FROM Library;

(ii) SELECT * FROM Library WHERE Mem_name = 'Ram';

(iii) SELECT Name, Author FROM Library WHERE Price > 200;

***** ALL THE BEST *****