B.K. BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL

PERIODIC TEST--II (2025-26)
IT (802) / SUBJECT-05

MARKING SCHEME

Class : XI A/B/C　　　　　　　　　　　　　　**Duration : 60 mins**
Date   : 10-11-2025　　　　　　　　　　　　**Max. Marks : 25**
Admission No.:　　　　　　　　　　　　　　**Roll No.:**

SECTION A – OBJECTIVE TYPE QUESTIONS (1 × 7 = 7 Marks)

Q1. Answer any 7 out of the given 10 questions on Employability Skills:

i. **a) Values**
ii. **b) Service**
iii. **a) Another computer and see if it works**
iv. **b) Alt + F4**
v. **d) Troubleshooting**
vi. **b) Free space**
vii. **d) Unresponsive**
viii. **c) Fragmentation**
ix. **d) A two-dimensional data structure with rows and columns.**
x. **c) To show the structure of a table.**

SECTION B – SHORT ANSWER QUESTIONS (2 Marks each)

Q2. What values does a successful entrepreneur have?
A successful entrepreneur has:

- **Perseverance:** Never gives up easily (e.g., continuing a business despite challenges).
- **Discipline:** Follows a routine and maintains focus on goals.

Q3. What are the three types of business activities? Explain any two.
Types: **Primary, Secondary, and Tertiary.**

- **Primary:** Involves extraction of natural resources (e.g., agriculture, mining).
- **Tertiary:** Involves providing services (e.g., banking, transport).

Q4. Give any two reasons why a keyboard may not work.

- Loose or faulty connection to the computer.
- Driver or hardware malfunction.

Q5. How can you ensure that external speakers work properly?

- Check the **power connection** and **volume settings**.
- Ensure the **audio cable** is connected to the correct port.

Q6. What steps should be followed when faced with software-related problems?

- Restart the application or computer.
- Reinstall or update the software if the issue persists.

Q7. How do you troubleshoot networking problems?

- Check network cables and router connection.
- Use **ping command** to test connectivity.

Q8. Give the various reasons why the Internet may not work.

- Faulty modem or router.
- Service outage from the Internet Service Provider (ISP).

Q9. SQL command to create table "TEACHER":

CREATE TABLE TEACHER (
  TID INT PRIMARY KEY,
  NAME VARCHAR(50),
  SUBJECT VARCHAR(30),
  SALARY DECIMAL(8,2),
  DOJ DATE
);

Q10. Differentiate between Primary key and Candidate key.

Primary Key	Candidate Key
Uniquely identifies a record in a table.	All keys that can uniquely identify a record.
Only one per table.	Multiple candidate keys possible.

Example: In a STUDENT table, *Roll_No* is the primary key; *Email_ID* can be a candidate key.

Q11. List important features of DBMS.

- Data security and integrity.
- Reduced data redundancy.
- Data sharing and multiple user access.

SECTION C – LONG ANSWER QUESTIONS (3 Marks each)

Q12. Steps to check Printer settings and IP address:

- Open **Control Panel → Devices and Printers**.
- Right-click the printer → **Printer Properties → Ports** tab.
- Check the **printer's IP address** in the port details.

Q13. How to check on command line whether the network cable is working?

- Open **Command Prompt** and type ping <IP Address>.
- If replies are received, cable and connection are working.
- If "Request timed out," check or replace the cable.

Q14. State various DML commands with functions:

Command	Function
SELECT	Retrieve data from a table.
INSERT	Add new records.
UPDATE	Modify existing records.
DELETE	Remove records from a table.

Q15. What is a Data Type in RDBMS? List various data types.
A **data type** defines the type of data a column can hold.
Examples:

- **INT** – for integers
- **VARCHAR(n)** – for text
- **DATE** – for date values
- **DECIMAL(p,q)** – for numeric values with decimal points