



B.K. BIRLA CENTRE FOR EDUCATION

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



ANNUAL EXAMINATION 2025-26

INFORMATION TECHNOLOGY (802) / SUBJECT-05

Class : XI

Date : 18-01-2026

Admission No.:

Duration : 3 Hrs

Max. Marks : 60

Roll No.:

MARKING SCHEME

SECTION–A (MCQs) – Answer Any 7

Q1. Employability Skills (Any 4)

- i) **Ans:** (c) Entrepreneurship
- ii) **Ans:** (c) Confidence
- iii) **Ans:** (c) Grooming
- iv) **Ans:** (c) Squeeze
- v) **Ans:** (d) All of these
- vi) **Ans:** (b) United Nations Environment Programme

Q2. Computer Fundamentals (Any 4)

- i) Input device
Ans: (b) Keyboard
- ii) Memory allocated to processes
Ans: (b) Dynamic allocation
- iii) Screen in sleep mode
Ans: (d) Blank
- iv) To free disk space
Ans: (c) Delete
- v) Networking problems path
Ans: (c) Network and Sharing Centre
- vi) Least cabling topology
Ans: (a) Bus topology

Q3. Networking / Writer (Any 5)

- i) Device connecting different protocols
Ans: (a) Gateway
- ii) Redundancy & fault tolerance
Ans: (d) Mesh topology
- iii) WWW protocol
Ans: (d) HTTP
- iv) Layer 3 security
Ans: (a) Firewall

v) Status, ruler commands

Ans: (c) View tab

vi) OpenOffice Writer is

Ans: (c) Word processing software

Q4. OpenOffice / DBMS (Any 5)

i) New document shortcut

Ans: (c) Ctrl + N

ii) Slide transitions

Ans: (c) Impress

iii) Default sheets

Ans: (a) Three

iv) RDBMS stands for

Ans: (b) Relational Database Management System

v) Database language

Ans: (c) SQL

vi) Display all columns

Ans: (d) SELECT *

Q5. Java / SQL (Any 5)

i) Data stored in RDBMS

Ans: (d) Tables

ii) Create command

Ans: (d) Create

iii) $8 \% 3$

Ans: (a) 2

iv) Equality operator in Java

Ans: (a) ==

v) Value of y

Ans: (c) 20

vi) Exponentiation operator

Ans: (d) All of these (*CBSE accepts*)

Q6. Programming & Networking (Any 5)

i) Output

Ans: (b) The value is:15

ii) Physical arrangement

Ans: (b) Topology

iii) Large geographical area

Ans: (d) WAN

iv) Wired medium

Ans: (c) Optical fibre cable

v) Wireless medium

Ans: (d) Radio waves

vi) Internet example

Ans: (c) WAN

SECTION–B (Short Answers) – Answer Any 6

Employability Skills (Any 3)

Q7. 7 Cs of Communication

Answer:

The 7 Cs are **Clear, Concise, Concrete, Correct, Coherent, Complete, Courteous**.
Clarity ensures the message is easily understood without confusion.

Q8. Time Management

Answer:

Time management is the ability to plan and use time effectively.
Strategies include making schedules, setting priorities, and avoiding distractions.

Q9. Text Wrapping

Answer:

Text wrapping controls how text flows around images or objects, making documents neat and readable.

Q10. Entrepreneur Values

Answer:

Successful entrepreneurs have **confidence** and **risk-taking ability**.
Confidence helps decision-making; risk-taking helps growth.

Q11. Forest Conservation Act

Answer:

The Act aims to conserve forests and prevent deforestation by regulating forest land use.

Short Answer (Any 5)

Q12. RAM vs ROM

RAM is volatile and temporary memory; ROM is non-volatile and permanent.

Q13. Unguided Media

Examples include **radio waves, microwaves, infrared waves**.

Q14. Macro

A macro is a recorded set of commands used to automate repetitive tasks, e.g., formatting text.

Q15. MySQL Features

MySQL is open-source, fast, secure, and supports large databases.

Q16. JFrame

JFrame allows creating windows, buttons, labels, and GUI components in Java.

Q17. IP vs MAC Address

IP address is logical and changeable; MAC address is physical and permanent.

Long Answer (Any 4)

Q18. Troubleshooting

Troubleshooting is the process of identifying and fixing system problems.

Steps include identifying the issue, checking connections, applying solutions, and testing.

Q19. Internet Services (Application-Based)

Riya uses **WWW** to collect information, **Email** to send the project, and **Video Conferencing** to attend online classes.

Q20. SQL

```
CREATE TABLE STUDENT (  
  Roll_No INT PRIMARY KEY,  
  Name VARCHAR(30),  
  Class INT,  
  Section CHAR(1),  
  Marks INT  
);
```

```
INSERT INTO STUDENT VALUES  
(1,'Amit',11,'A',78),  
(2,'Neha',11,'B',85);
```

```
SELECT * FROM STUDENT WHERE Marks > 75;  
SELECT Name FROM STUDENT ORDER BY Name;
```

Q21. Java Program

```
import java.util.Scanner;  
class SumProduct {  
  public static void main(String[] args) {  
    Scanner sc = new Scanner(System.in);  
    int a = sc.nextInt();  
    int b = sc.nextInt();  
    int c = sc.nextInt();  
    System.out.println("Sum = " + (a+b+c));  
    System.out.println("Product = " + (a*b*c));  
  }  
}
```

Q22. Network Topology

Network topology is the physical or logical arrangement of computers.
Star topology uses a central hub; **Bus topology** uses a single cable.

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