



B.K. BIRLA CENTRE FOR EDUCATION

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

PRE BOARD-II EXAM: 2025-26 INFORMATION TECHNOLOGY (802)

Class: XII (SUBJECT-5)

Date: 11-12-2025

Admission No. :

Time : 3 hrs.

Max Marks: 60

Roll No. :

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of 24 questions in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. Out of the given (6 + 18 =) 24 questions, a candidate has to answer (6 + 11 =) 17 questions in the allotted (maximum) time of 3 hours.
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section has 06 questions.
 - ii. There is no negative marking.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section has 18 questions.
 - ii. A candidate has to do 11 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

MARKING SCHEME

SECTION A: OBJECTIVE TYPE QUESTIONS

Q.(1) Answer any 4 out of the given 6 questions on Employability Skills.

(4 x 1 = 4)

- (i) (d) All of these
- (ii) (d) All of these
- (iii) (a) Stress
- (iv) (b) Presentation
- (v) (b) lack of plan
- (vi) (b) Use air purifiers with HEPA filters

Q.(2) Answer any 5 questions out of the given 7 questions.

(5 x 1 = 5)

- (i) (a) Degree
- (ii) A database is an organized collection of related data stored electronically.
- (iii) Tabular format
- (iv) (a) Allows easy storage, retrieval & manipulation
- (v) (a) SHOW DATABASES
- (vi) (b) Designing the database schema

(vii) (c) NOT NULL

Q.(3) Answer any 6 questions out of the given 7 questions

(6 x 1 = 6)

- (i) (c) SHOW DATABASES;
- (ii) DELETE command
- (iii) HAVING clause
- (iv) Online task (Online shopping)
- (v) True
- (vi) (a) Free
- (vii) (c) Railway

Q.(4) Answer any 5 questions out of the given 6 questions.

(5 x 1 = 5)

- (i) (a) Visit the website
- (ii) (a) 1986
- (iii) False
- (iv) Reviews
- (v) Confidential
- (vi) break

Q.(5) Answer any 5 questions out of the given 6 questions

(5 x 1 = 5)

- (i) (a) Before each iteration
- (ii) (a) concat()
- (iii) (c) Conditional execution
- (iv) (a) &&
- (v) True
- (vi) True

Q.(6) Answer any 5 questions out of the given 6 questions

(5 x 1 = 5)

- (i) (b) The code block is skipped
- (ii) Integer
- (iii) (d) Substringing
- (iv) (c) break
- (v) (a) Ensure variable holds specific value
- (vi) (a) SQL

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills.

(3 x 2 = 6)

Answer each question in 20-30 words.

Q7

- (a) Active listening means fully concentrating on what the speaker says, understanding the message, and responding appropriately without distraction.
- (b) A sentence is a meaningful group of words expressing a complete thought, beginning with a capital letter and ending with punctuation.

Q8

Personality disorders are long-term behavioural and emotional patterns that deviate from social expectations. Examples:

1. Paranoid Personality Disorder – Excessive suspicion and mistrust.
2. Borderline Personality Disorder – Emotional instability and impulsive behaviour.

Q9

1. Addition (+): Adds two values. Example: =A1 + B1.
2. Multiplication (*): Multiplies values. Example: =A1 * B1.

Q10

Yes, decision-making is essential because it helps entrepreneurs analyse situations, choose the best option, minimize risks, and ensure smooth functioning of the business.

Q11

Rohit promotes the green skill of Waste Management. By encouraging reusable bottles and lunch boxes, he reduces plastic pollution and promotes environmental sustainability.

Answer any 3 out of the given 5 questions on Subject Specific Skills.

(3 x 2 = 6)

Q12

RDBMS stores data in related tables. Advantage: Reduces redundancy. Disadvantage: Complex to manage and costly.

Q13

```
CREATE TABLE Gadget(  
  G_ID CHAR(4),  
  Description VARCHAR(20),  
  Manufacture_Date DATE,  
  Price DECIMAL(10,2),  
  Warranty INT  
);
```

Q14

while checks condition before execution, so it may never run. do-while executes once before checking. Example:

```
while(i<5){}  
do{ }while(i<5);
```

Q15

Comments are notes in code that help explain logic. They improve readability and assist debugging without affecting program execution.

Q16

Airlines: Flights, Passengers, Bookings, Airports.

Hospital: Patient, Doctor, Appointment, Treatment, Billing.

Answer any 2 out of the given 3 questions on Subject Specific Skills.

(2 x 3 = 6)

Q17

SUM: Adds values. Example: SELECT SUM(Price) FROM Products;

MAX: Highest value. Example: SELECT MAX(Marks) FROM Students;

AVG: Average value. Example: SELECT AVG(Salary) FROM Employees;

Q18

```
str1 = str1.substring(0,1).toUpperCase() + str1.substring(1);
int len = str1.length() + str2.length();
System.out.println(str1.concat(str2));
```

Q19

DBMS helps store and secure data in banking, e-commerce, payroll. Programming automates transactions, generates bills, processes payments, and enhances accuracy.

Answer any 3 out of the given 5 questions on Subject Specific Skills.

(3 x 4 = 12)

Q20

End users: Access system.

Programmers: Develop applications.

DBA: Manages database security and backups.

Designers: Create structure and relationships.

Q21

Use HTTPS sites; do not share OTP/password; avoid public Wi-Fi; enable two-factor authentication.

Q22

for: Known iterations. Example: for(int i=0;i<5;i++).

while: Condition checked before loop.

do-while: Executes at least once.

Q23

```
import java.util.*;
class CheckInput{
    public static void main(Stringa){ Scanner sc=new Scanner(System.in);String
s=sc.next();if(s.matches("\\d+"))System.out.println("Number");else System.out.println("String");} }
```

Q24

```
import java.util.*;
class EvenOdd{
    public static void main(String a){ Scanner sc=new Scanner(System.in);int
n=sc.nextInt();if(n%2==0)System.out.println("Even");else System.out.println("Odd");} }
% returns remainder; n%2==0 means even.
```

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