



BK BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
POST MID TERM EXAM (2024-25)
INFROMATION TECHNOLOGY (802)



Class: XI (SUBJECT-4)

Date: 06-01-2025

Adm No:

Duration: 1 hr.

Max Marks: 25

Roll No. :

MARKING SCHEME

- NOTE :** (i) All questions are compulsory.
(ii) Do as per the instructions given in the questions.

I. Multiple Choice Questions :

(12 X 1 = 12)

- (1) By default, how many sheets are there in a newly opened spreadsheet ?
(a) **Three** (b) Two
(c) One (d) Four
- (2) In copying data and moving the data, the common part is the :
(a) **Paste operation** (b) Format
(c) Text align (d) Autofill
- (3) Which tool to the right of your document will display the most frequently used tools ?
(a) Formula bar (b) **Sidebar**
(c) Standard bar (d) Status bar
- (4) Which shortcut can you use for creating a new document ?
(a) Ctrl + O (b) Ctrl + W
(c) **Ctrl + N** (d) Ctrl + P
- (5) Which element of the Impress interface is present at the bottom of your window ?
(a) Menu bar (b) Work area
(c) Scroll bar (d) **Status bar**
- (6) Various commands related to viewing the presentation can be executed using the :
(a) File menu (b) Edit menu
(c) **View menu** (d) Format menu
- (7) One of the ways of viewing master slides is :
(a) **View > Master > Slide Master** (b) View > Slide Master
(c) Slide Master icon (d) None of these
- (8) In order to view slide in outline page layout, choose view >
(a) Slide Sorter (b) Normal
(c) **Outline** (d) None of these
- (9) What does RDBMS stand for ?
(a) Rapid Database Management System
(b) **Relational Database Management System**
(c) Resourceful Data Backup Management System
(d) Recursive Database Model System
- (10) What is a table in RDBMS ?
(a) A graphical representation of data (b) A collection of related websites
(c) A data structure used in programming
(d) **A two-dimensional data structure with rows and columns**
- (11) Which language is used to manage data in a database ?
(a) Java (b) HTML
(c) **SQL** (d) C++
- (12) What are the various types of MySQL commands ?

- (a) Procedural and object-oriented
- (c) Frontend and backend

- (b) DDL, DML and DCL
- (d) Conditional and iterative

II. Short answer type questions : (Answer any four)

(4 X 2 = 8)

(1) What is a chart/Graph in spreadsheet ? Write name of any four types of charts.

Ans. :

A **chart** or **graph** in a spreadsheet is a visual representation of data that helps to communicate information clearly and effectively. It converts raw data into a graphical format, making it easier to analyze trends, patterns, and relationships between variables.

In a spreadsheet like Microsoft Excel or Google Sheets, charts can be created from a range of data, and users can choose from various types of charts depending on the nature of the data and the analysis they want to perform.

Four Common Types of Charts:

1. **Bar Chart:** A chart that uses rectangular bars to represent data. The length of each bar corresponds to the value it represents. It is useful for comparing data across categories.
2. **Line Chart:** A chart that displays information using a series of data points connected by straight lines. It is typically used to show trends over time.
3. **Pie Chart:** A circular chart divided into slices to illustrate numerical proportions. It shows how a whole is divided into parts, making it ideal for representing percentages.
4. **Column Chart:** Similar to a bar chart but with vertical bars. It is often used to compare data across different categories or over time.

(2) Describe the following Calc functions with example :

- (a) MAX
- (b) MIN

Ans. :

(a) MAX Function

The MAX function in a spreadsheet is used to find the highest value from a range of numbers. It compares all the values in the specified range and returns the largest one.

Syntax:

=MAX(number1, number2, ...)

(b) MIN Function

The MIN function is used to find the smallest value in a range of numbers. It works similarly to the MAX function, but instead of returning the largest number, it returns the smallest one.

Syntax:

=MIN(number1, number2, ...)

(3) What can a presentation software be used for ? Give any two examples of presentation software.

Ans. :

Presentation software is used to create slideshows composed of a series of individual slides, which are typically used to convey information, ideas, or data to an audience in a structured, visual format. It allows the user to combine text, images, charts, videos, and animations to enhance the delivery of their message.

Eg. : MS Powerpoint presentation, OpenOffice Impress, Google slides

(4) What are the different tabs in OpenOffice Impress ? Explain any two.

Ans. :

File : New, Open, Save, Save as, Close, Print, Exit

Edit : Cut, copy, Paste, Undo, Redo, Select all, Find & replace, Delete

View : Normal, Outline, Slide Sorter, Slide Show, Master

Insert : Slide, Suplicate slide, Page number, date & Time,

Format : Character, Paragraph, Bullets and Numbering

Tools

Slide Show
Windows

(5) What is the purpose of the SELECT statement in SQL ? Explain with examples.

Ans. :

The **SELECT** statement in SQL is used to query and retrieve data from a database. It allows users to specify the columns and rows they wish to retrieve from one or more tables. The **SELECT** statement is one of the most fundamental and frequently used commands in SQL, as it enables users to extract valuable information from databases based on certain conditions.

SELECT * FROM employees;

(6) Explain any four advantages of database.

Ans. :

Efficient data organization

Data security

Elimination of inconsistencies

Quick and reliable data retrieval

Data integrity

Reduced data redundancy

III. Long answer type questions : (Answer any two)

(2 X 2.5 = 5)

(1) Describe the following types of data that can be entered in a cell.

(a) Text / Labels

(b) Number or Values

(c) Formula

Ans. :

(a) Text / Labels : It is alphanumeric or string value on which any arithmetic operation could not be performed. Eg. India, Pune

(b) Number or Values : It is numeric or numeral value on which any arithmetic operation could be performed. Eg. 25, 56

(c) Formula : It must start with equal(=) sign.

Eg. = A1+A2

(2) Name the different view options used in OpenOffice Impress ? Explain any two.

Ans. :

(i) Normal : It is used to show slides in normal mode where you are able to make corrections and edit the object or content. It is main view of creating slides.

(ii) Outline : It is used to view contains all the slides of the presentation along with their numbered sequence.

(iii) Slide Sorter :It is used to show all the slides in thumbnails form.

(iv) Slide Show : It is used to view the presentation on full screen.

(v) Notes view : It is used to add notes to the slide which are not visible to the audience.

(3) Consider the following table named "GYM" with details about Fitness products being sold in the store.

Table Name : GYM

PrCode : stores Codes of Products

PrName : stores names of Products

(UnitPrice is in Rs.)

PrCode	PrName	UnitPrice	Manufacturer
P101	Cross Trainer	25000	Avon Fitness
P102	Tread Mill	32000	AG Fitline
P103	Massage Chair	20000	Fit express
P104	Vibration Trainer	22000	Avon Fitness
P105	Bike	13000	Fit Express

Write SQL statements to do the following:

- a) Display the entire table.
- b) Display the names and unit price of all the products in the store
- c) Display the names of all the products with unit price less than Rs.20000.00

Ans. :

- a) Select * from GYM;
- b) Select PrName, UnitPrice from GYM;
- c) Select PrName from GYM where UnitPrice < 20000

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