

CBSE Exam Paper 2024
INFORMATION TECHNOLOGY
Class-10th
(Solved)
(Delhi & Outside Delhi)

Time : 2 Hours

Max. Marks : 50

General Instructions:

- (i) Please read the instructions carefully.
- (ii) This question paper consists of **21** questions in **two** sections: **Section A** and **Section B**.
- (iii) **Section A** has Objective Type questions, whereas **Section B** contains Subjective type questions.
- (iv) Out of the given $(5 + 16) = 21$ questions, a candidate has to answer $(5 + 10) = 15$ questions in the allotted (maximum) time of 2 hours.
- (v) All questions of a particular section must be attempted in the correct order.
- (vi) **Section A : Objective Type Questions (24 marks):**
 - (a) This section has 5 questions.
 - (b) There is no negative marking.
 - (c) Do as per the instructions given.
 - (d) Marks allotted are mentioned against each question/part.
- (vii) **Section B : Subjective Type Questions (26 marks):**
 - (a) This section has **16** questions.
 - (b) A candidate has to do **10** questions.
 - (c) Do as per the instructions given.
 - (d) Marks allotted are mentioned against each question/part.

SECTION – A
(Objective Type Questions)

(24 Marks)

1. Answer any 4 out of the given 6 questions on Employability skills. $4 \times 1=4$

- (i) The filename and filename extension are separated by a
 - (A) Dollar (\$) (B) Dot (.)
 - (C) Underscore (_) (D) Hash (#)
- (ii) Which of the following type of communication involves interchanging messages only through images or pictures?
 - (A) Verbal (B) Gesture
 - (C) Visual (D) Facial
- (iii) is the ability to identify and manage one's own emotions, as well as the emotions of others.
 - (A) Self-Awareness (B) Emotional Intelligence
 - (C) Stress Management (D) Emotional Barrier
- (iv) is the driving force that pushes us to achieve our goals, feel happy and improve our quality of life.
 - (A) Stress Management (B) Self-Awareness
 - (C) Self-Growth (D) Self-Motivation
- (v) Which of the following is **not** an essential quality to become a successful entrepreneur?

- (A) Confidence (B) Creativity
- (C) Patience (D) Wealthy

(vi) In total, how many SDGs were adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity?

- (A) 13 (B) 11
- (C) 17 (D) 19

2. Answer any 5 out of the given 6 questions. $5 \times 1=5$

- (i) Which of the following features allows one to apply a group of formats at the same time?
 - (A) Fill (B) Styles
 - (C) Images (D) Drag and Drop
- (ii) In Writer, styles and formatting option is available under
 - (A) Insert (B) Tools
 - (C) Format (D) Window
- (iii) Gaurav is creating a report in Writer. The image gets embedded in his document whenever he drags and drops the image and the document size increases. Suggest a way to link the image file instead of embedding it.

- (A) Drag and drop the image
 (B) Hold down the Ctrl key while dragging.
 (C) Hold down the Shift key while dragging the image.
 (D) Hold down the Ctrl and Shift key while dragging and dropping the image.
- (iv) Resizing a may badly affect the resolution of an image.
 (A) Vector image (B) Raster image
 (C) CAD image (D) Coloured image
- (v) In Writer, you can create your own template in way(s).
 (A) One (B) Two
 (C) Three (D) Four
- (vi) In Writer, function key is used to see the databases while implementing mail merge.
 (A) F1 (B) F2
 (C) F3 (D) F4
- 3. Answer any 5 out of the given 6 questions. 5 × 1 = 5**
- (i) While consolidating data, a cell range can be named using.....option.
 (A) Name range (B) Define range
 (C) Consolidate name (D) Define name
- (ii) Kawal and his friends are working on a Spreadsheet, for entering data and updating records. They wish to keep a track of changes. Which of the following options will help in knowing who made the changes and what changes were done in the spreadsheet?
 (A) View changes (B) Record changes
 (C) Store changes (D) Track changes
- (iii) is a more elaborate form of Goal Seek.
 (A) Database (B) Hyperlink
 (C) Report (D) Solver
- (iv) Macro functions can be written to behave as regular functions by writing a/an
 (A) Void (B) Return
 (C) Add-In (D) Dim
- (v) option of Calc helps in viewing the changes made to a worksheet using original and edited worksheet.
 (A) Edit→Revise document
 (B) Edit→Consolidate
 (C) Edit→Compare document
 (D) Edit→Collaborate document
- (vi) In calc, shared workbooks allow:
 (A) Merging cells
 (B) Conditional formatting
 (C) Inserting pictures/graphs
 (D) Adding text
- 4. Answer any 5 out of the given 6 questions. 5 × 1 = 5**
- (i) In OpenOffice Base, the relationship applied on the tables can be removed with the help of option.
 (A) Clean (B) Remove
 (C) Drop (D) Delete
- (ii) In SQL, the keyword to display records in ascending order is:
 (A) Asce (B) Incr
 (C) Asc (D) High
- (iii) is a numeric data type which can store Yes/No type values in the form of 0 or 1 in OpenOffice Base table.
 (A) Boolean (B) Char
 (C) Binary (D) OtherObject
- (iv) Which of the following statement retrieves zero or more rows from one or more database tables or database views?
 (A) UPDATE (B) DELETE
 (C) SELECT (D) DISPLAY
- (v) Roshni has created a table Customer in SQL and wants to store photograph image of every customer under Cust_photo field. Suggest a suitable data type from the options given below.
 (A) IMAGE
 (B) PICTURE
 (C) LONGVARBINARY
 (D) GRAPHIC
- (vi) By default, all the fields in OpenOffice Base will have datatype.
 (A) int (tiny) (B) Boolean
 (C) text (varchar) (D) text (char)
- 5. Answer any 5 out of the given 6 questions. 5 × 1 = 5**
- (i) A is a discussion style website similar to an online personal diary, used for creating personal web pages.
 (A) WWW (B) Web
 (C) Blog (D) Chat
- (ii) Natasha works as floor manager. She has been assigned a task for conducting regular to ensure safety of life in case of any disaster or emergency by evacuating the place of danger.
 (A) Cultural assembly (B) Open house events
 (C) Evacuation drill (D) Trips and excursions
- (iii) is an accessibility feature that assists people who have difficulty using a keyboard or a mouse (or both).
 (A) Sticky keys (B) Serial key
 (C) Control key (D) Toggle key
- (iv) Network in which all computers have equal status is called
 (A) Peer-to-Peer architecture
 (B) Central architecture
 (C) Hierarchical architecture
 (D) Client-server architecture
- (v) are text files with small pieces of data-like a username and password.
 (A) Operating System (B) Antivirus
 (C) Cookies (D) Modern

- (vi) DSL stands for
 (A) Digital System Line

- (B) Data Subscriber Line
 (C) Digital Subscriber Line
 (D) Data Service Line

SECTION – B

(26 Marks)

(Subjective Type Questions)

Answer any 3 out of the given 5 questions on Employability Skills in 20-30 words each. $3 \times 2=6$

6. How can cultural differences be a barrier to effective communication?
7. Explain any two misconceptions about entrepreneurship.
8. Briefly discuss the significance of time management skills in order to succeed in life.
9. Very often we hear about spam mails. Explain what are spam mails, and what should be done with such mails.
10. Mention any two ways to get clean and affordable energy.

Answer any 4 out of the given 6 questions in 20-30 words each. $4 \times 2=8$

11. Write the main steps to group drawing objects in Writer.
12. What is the purpose of consolidating data in spreadsheets? Discuss briefly.
13. Differentiate between LAN and WAN.
14. What are the two parts of a cell reference while referencing data on other sheets? Explain with an example.
15. Give any two benefits of creating relationships between tables in a database.
16. Mention any two basic fire safety rules to be followed in any organization.

Answer any 3 out of the given 5 questions in 50-80 words each. $3 \times 4=12$

17. What is the concept of mail merge in word processing software? Discuss in detail. Also give any two major benefits of using mail merge.
18. Explain four types of hyperlink that can be applied in spreadsheets.

19. Internet security is of prime concern nowadays. Using strong passwords can lower the risk of security breach on the Internet.

Himanshi has just created her first Internet based account. Help her by giving any four general guidelines for managing strong passwords.

20. In context of OpenOffice Base, explain the concept and significance of the following:

- (a) Forms
 (b) Reports

21. Consider the table Product and write SQL, queries for the following:

Table : Product

PID	PNAME	PRICE	QUANTITY	CATEGORY
P01	BOARD	10000	2	OFFICE
P02	EYELINER	700	50	MAKEUP
P04	PENCIL	5	500	SCHOOL
P05	LAMP	250	10	DOMESTIC
P08	BEDSHEET	450	45	DOMESTIC
P09	LAPTOP	75000	15	OFFICE

- (a) To display names of all products whose category is "domestic".
 (b) To display product name and price whose quantity is less than 50.
 (c) To display price and quantity of Laptop.
 (d) To display name and quantity of those products whose price is above 5000.

For Visually Impaired Candidates.

In the context of database Management System, write a short note on the following.

- (i) Database
 (ii) Table
 (iii) Field
 (iv) Composite Primary key

ANSWERS

SECTION – A

Answer 1

(i) Option (B) is correct.

Explanation: This convention allows operating systems to identify the type of file and associate it with the appropriate application for opening or processing it. For example, in the file "document.txt," "document" is the filename, and ".txt" is the extension indicating that it is a text file.

(ii) Option (C) is correct.

Explanation: This form of communication relies on visual elements such as charts, graphs, diagrams, illustrations, and other visual aids to convey information. It is effective because it can quickly and efficiently convey complex ideas or concepts, making it easier for people to understand and remember information. Additionally, visual communication can transcend language barriers, making it accessible to a diverse audience.

(iii) Option (B) is correct.

Explanation: Emotional intelligence helps individuals build stronger relationships, communicate more effectively, and handle interpersonal conflicts with greater skill.

(iv) Option (D) is correct.

Explanation: Self-motivation is the driving force behind our actions and behaviour. It gives us the energy and determination to pursue our goals, overcome obstacles, and strive for personal and professional growth.

(v) Option (D) is correct.

Explanation: While wealth can certainly be helpful in starting a business, it is not a prerequisite for success as an entrepreneur. Confidence, creativity, and patience are essential qualities that can significantly contribute to an entrepreneur's success.

(vi) Option (C) is correct.

Explanation: The United Nations adopted a set of 17 Sustainable Development Goals (SDGs) in 2015. These goals are aimed at addressing various global challenges, including poverty eradication, environmental sustainability, and social inclusion, with the overarching objective of achieving peace and prosperity for all by 2030.

Answer 2

(i) Option (B) is correct.

Explanation: Styles in applications like Microsoft Word allow users to apply a predefined set of formatting options to text or objects. By applying a style, multiple formatting attributes such as font size, colour, and alignment can be applied simultaneously.

(ii) Option (C) is correct.

Explanation: In most word processing software, including Writer, the "Styles and Formatting" option is typically found under the "Format" menu. This

option allows users to manage text styles, apply formatting presets, and customize the appearance of their documents.

(iii) Option (D) is correct.

Explanation: When Gaurav holds down the Ctrl and Shift keys while dragging and dropping the image, it will create a link to the image file instead of embedding the image in the document. This action helps in reducing the document size by referencing the image externally.

(iv) Option (B) is correct.

Explanation: Raster images are composed of a grid of pixels, where each pixel contains color information. When you resize a raster image, you are essentially stretching or shrinking the pixels, which can lead to a loss of image quality, especially if the image is enlarged. This is because enlarging a raster image can cause the individual pixels to become more visible, resulting in a loss of sharpness and clarity.

(v) Option (B) is correct.

Explanation: In Writer, you can create templates in multiple ways, but the two most common methods are:

- **Saving a document as a template:** This involves designing a document to your liking and then saving it as a template file format.
- **Using a wizard:** Some applications provide template creation wizards that guide you through the process.

However, there are other methods as well, such as creating templates from scratch, modifying existing templates, using the Template Management dialog, or importing templates from external sources.

(vi) Option (D) is correct.

Explanation: This key allows users to access the database connection dialog, where they can select the database they want to use for the mail merge operation. It's a shortcut key to quickly access the database functionality within the mail merge feature of Writer.

Answer 3

(i) Option (B) is correct.

Explanation: This allows you to easily reference that specific cell or range in formulas or data manipulation operations. By defining names for ranges, you can make your formulas more readable and easier to manage.

(ii) Option (D) is correct.

Explanation: The "Track changes" option in a spreadsheet allows users to monitor and track any modifications made to the document, including who made the changes and what specific alterations were implemented.

(iii) Option (D) is correct.

Explanation: Solver is a tool in spreadsheet applications like Microsoft Excel that allows users to

find solutions to optimization problems. It is a more advanced version of Goal Seek.

(iv) Option (C) is correct.

Explanation: Add-Ins are additional programs or modules that extend the functionality of the software. By creating a macro and saving it as an Add-In, you can use it as a regular function within the application, enhancing its capabilities and allowing it to behave similarly to built-in functions.

(v) Option (C) is correct.

Explanation: This feature allows users to track modifications, identify differences, and review revisions made to the document over time.

(vi) Option (D) is correct.

Explanation: In Calc, shared workbooks indeed allow users to add text. This feature enables collaboration among multiple users by allowing them to input and edit text within the spreadsheet. Thank you for pointing out the error.

Answer 4

(i) Option (D) is correct.

Explanation: In OpenOffice Base, you can remove relationships between tables by right-clicking on the relationship thread and selecting the "Delete" option from the context menu. This action removes the relationship, allowing you to modify the database structure as needed.

(ii) Option (C) is correct.

Explanation: In SQL, the keyword "ASC" stands for "ascending" and is used to sort the records in ascending order based on the specified column.

(iii) Option (A) is correct.

Explanation: In OpenOffice Base, the BOOLEAN data type is typically used to store boolean values, which represent true or false conditions. While, BINARY data type is commonly used to store binary data, such as images or files.

(iv) Option (C) is correct.

Explanation: The SELECT statement is used to retrieve data from one or more tables or views in a database. It allows you to specify the columns you want to retrieve and apply various conditions to filter the rows returned by the query.

(v) Option (C) is correct.

Explanation: The LONGVARBINARY data type is commonly used to store binary data, such as images, documents, or other files, in databases. It allows for the storage of large amounts of binary data.

(vi) Option (C) is correct.

Explanation: In OpenOffice Base, when you create a new field, the default data type assigned to it is text (varchar). This is because text fields are versatile and can store alphanumeric characters, making them suitable for a wide range of data types.

Answer 5

(i) Option (C) is correct.

Explanation: A blog is a website where individuals or groups of people regularly post content on a particular subject or topics of interest.

(ii) Option (C) is correct.

Explanation: Conducting regular evacuation drills helps ensure that individuals know how to safely evacuate a building or area in case of an emergency. This preparedness can save lives by ensuring that people are familiar with evacuation procedures and can react quickly and effectively during a crisis.

(iii) Option (B) is correct.

Explanation: Serial Keys provides support so that alternative input devices, such as single switch or sip and puff devices, can be plugged into e.g. the computer's USB port.

(iv) Option (A) is correct.

Explanation: In a Peer-to-Peer architecture, all computers have equal status, meaning each computer can act as both a client and a server.

(v) Option (C) is correct.

Explanation: Cookies are small pieces of data stored on the user's computer by the web browser while browsing a website. They are used to remember stateful information or to track the user's browsing activity.

(vi) Option (C) is correct.

Explanation: DSL stands for Digital Subscriber Line. It is a type of technology that provides high-speed internet access over traditional copper telephone lines.

SECTION – B

Answer 6

Cultural differences can hinder effective communication through language barriers, nonverbal misunderstandings, divergent social norms, conflicting values, perceptions of time, power dynamics, and misinterpretation of contextual cues. Eye contact, for example, is very important in some cultures, but rude and disrespectful in others.

Answer 7

Two misconceptions about entrepreneurship are:

Entrepreneurship is easy: Entrepreneurship is often perceived as simple, yet it demands dedication, resilience, and a readiness to embrace risks.

Entrepreneurs are born, not made: Contrary to the belief that entrepreneurs are innately gifted, entrepreneurship can be acquired through learning and development, accessible to individuals irrespective of inherent traits.

Answer 8

Time management skills are crucial for success as they enable individuals to prioritize tasks, meet deadlines, and achieve goals efficiently. Effective time management leads to increased productivity, reduced stress, and improved work-life balance, ultimately fostering personal and professional growth.

Answer 9

Spam mails are unsolicited, often irrelevant or inappropriate emails sent in bulk, typically for advertising or phishing purposes.

To deal with spam mails:

- Mark as spam
- Delete them
- Block the sender
- Use spam filters
- Avoid clicking links or downloading attachments:

Answer 10

Two ways to obtain clean and affordable energy are:

- **Investing in renewable energy sources:** Renewable energy sources such as solar, wind, hydroelectric, and geothermal power offer sustainable alternatives to fossil fuels.
- **Use energy conservation and efficiency:** Install better insulation, switch to more efficient heating sources, or choose the most energy efficient alternative when buying new appliances.

Answer 11

To group drawing objects in Writer, follow these main steps:

- **Select the objects:** Click and drag to select all the drawing objects you want to group together. You can also hold down the Shift key while clicking to select multiple objects individually.
- **Group the objects:** Right-click on one of the selected objects, then choose "Group" from the context menu. Alternatively, you can go to the "Format" menu, then select "Group" from the "Group" submenu.

Answer 12

The purpose of consolidating data in a spreadsheet is to combine multiple sets of data from different sources or worksheets into one summary view. This allows for easier analysis, comparison, and reporting of the overall data set. Consolidation helps in streamlining data management, reducing redundancy, and facilitating decision-making processes.

Answer 13

Key Aspects	LAN	WAN
Scope:	A LAN covers a small geographical area, such as a single building, office, or campus. It typically serves users within close proximity to each other.	A WAN covers a much larger geographical area, often spanning across cities, countries, or even continents. It connects multiple LANs and other networks over long distances.
Ownership and Control:	LANs are usually privately owned and controlled by a single organization or entity, such as a business, school, or home network.	WANs may involve multiple organizations and service providers. They are often built and managed by telecommunications companies or internet service providers (ISPs).

Answer 14

When referencing data on another sheet in a spreadsheet, cell references typically consist of two main parts:

- **Sheet Name:** This is the name of the sheet where the referenced data is located.
- **Cell Address:** This is the specific cell or range of cells on the referenced sheet that contains the data you want to reference.

It consists of a column letter (or letters) followed by a row number.

Answer 15

Here are some benefits of creating relationships between tables in a database:

- **Reduces data redundancy:** Relationships help reference information stored in existing tables, reducing repetition.
- **Improves table structures:** Relationships help improve table structures and reduce redundant data.
- **Ensures data consistency and updates:** Relationships help ensure that data in databases are consistent and updated.
- **Prevents missing data:** A relationship can also help prevent missing data, by keeping deleted data from getting out of synch. This is called referential integrity. **[Write any two]**

Answer 16

Here are some main fire safety rules to follow:

- **Fire Prevention Training:** Provide comprehensive fire prevention training to all employees, including fire safety procedures, evacuation routes, and proper use of fire extinguishers.
- **Fire Detection Systems:** Install and maintain fire detection systems such as smoke detectors, heat detectors, and fire alarms throughout the premises. Test these systems regularly to ensure they are functioning correctly.
- **Emergency Exit Routes:** Clearly mark emergency exit routes with illuminated exit signs and keep them unobstructed at all times. Conduct regular drills to familiarize employees with evacuation procedures and assembly points.
- **Fire Extinguishers:** Place fire extinguishers at strategic locations throughout the facility and ensure they are easily accessible. Train employees on how to use fire extinguishers safely and effectively.
- **Electrical Safety:** Implement electrical safety measures to prevent electrical fires, including regular inspection and maintenance of electrical systems, avoiding overloading outlets, and using surge protectors.
- **Storage of Flammable Materials:** Store flammable materials, chemicals, and combustible substances in designated areas with proper ventilation and fire-resistant containers. Follow safety protocols for handling and storing hazardous materials.
- **Smoking Policies:** Enforce strict smoking policies within the premises, including designated smoking areas and proper disposal of cigarette

butts. Prohibit smoking in areas where flammable materials are present. [Write any two]

Answer 17

Mail merge is a feature in word processing software that enables users to create personalized documents by combining a template or main document with data stored in a separate data source, such as a spreadsheet or database. The process involves merging variable fields from the data source into placeholders within the template document, resulting in customized documents for each record in the data source.

Benefits of mail merge include:

- **Time Efficiency:** Mail merge automates the process of creating individualized documents, saving time compared to manually entering data into each document.
- **Accuracy:** By pulling data directly from a centralized source, mail merge reduces the risk of errors and inconsistencies in the final documents.
- **Personalization:** Mail merge allows for the customization of documents with recipient-specific information, such as names, addresses, and other details, enhancing the personal touch of communications.
- **Consistency:** Using a standardized template ensures consistency across all documents, maintaining branding and formatting guidelines.
- **Bulk Processing:** Mail merge enables the creation of large numbers of documents in a single operation, making it ideal for tasks such as generating form letters, mailing labels, envelopes, or personalized marketing materials.
- **Flexibility:** Users can easily update or modify the template document or data source without having to recreate each individual document, providing flexibility in managing document content.
- **Professionalism:** Customized documents created through mail merge convey professionalism and attention to detail, enhancing the organization's image and credibility. [Write any two]

Answer 18

In spreadsheets, such as Microsoft Excel or Google Sheets, there are typically four types of hyperlink that can be applied:

- (i) **URL Hyperlinks:** These hyperlinks are used to link to websites or online resources. Users can insert a URL (Uniform Resource Locator) hyperlink into a cell, and when clicked, it will open the linked webpage in a web browser.
- (ii) **Document Hyperlinks:** Document hyperlinks are used to link to other sheets within the same workbook or to external files, such as other Excel workbooks or documents stored on the computer or network. Users can insert a document hyperlink into a cell, and when clicked, it will navigate to the specified location within the spreadsheet or open the linked document in its respective application.
- (iii) **Email Hyperlinks:** Email hyperlinks are used to create links that, when clicked, will open the default email client with a new email message addressed to the specified email address.

- (iv) **Internal Hyperlinks:** Internal hyperlinks are used to link to specific cells or ranges within the same worksheet or workbook. Users can create internal hyperlinks to navigate to different parts of the spreadsheet, making it easier to organize and access information within large datasets.

Answer 19

Here are four general guidelines for managing strong passwords over the internet:

- (i) **Use Complex Passwords:** Create passwords that are at least 12 characters long and include a combination of uppercase and lowercase letters, numbers, and special characters. Avoid using easily guessable patterns or common phrases.
- (ii) **Avoid Reusing Passwords:** Do not use the same password for multiple accounts. Each account should have a unique password to prevent a single breach from compromising all your accounts.
- (iii) **Enable Two-Factor Authentication (2FA):** Whenever possible, enable two-factor authentication for your accounts. This adds an extra layer of security by requiring a second form of verification, such as a code sent to your phone.
- (iv) **Use a Password Manager:** Consider using a reputable password manager to securely store and generate strong passwords for your accounts. Password managers can help you keep track of your passwords across different platforms and devices, and they often offer additional features like password strength assessment and automatic password changing.

Answer 20

Concept of Forms and Reports in Open Office Base:

Forms: In Open Office Base, forms are graphical interfaces used for data entry, editing, and viewing within a database. They provide users with a user-friendly way to interact with the underlying data without directly accessing tables or queries. Forms typically consist of input fields such as text boxes, drop-down lists, check boxes, and buttons, allowing users to input and manipulate data easily.

Reports: Reports in Open Office Base are documents that present summarized and formatted data from the database. They provide a structured way to display information derived from queries or tables, often including tables, charts, graphs, and other visual elements. Reports are used for data analysis, decision-making, and communication purposes.

Significance of Forms and Reports in Open Office Base:

Forms:

- **Simplify data entry:** Forms provide a user-friendly interface for entering data, reducing the need for users to interact directly with tables or queries.
- **Enhance data integrity:** Validation rules and formatting options in forms help enforce data integrity by ensuring that users input accurate and consistent data.
- **Improve usability:** By organizing data input fields logically and providing intuitive navigation controls, forms enhance the usability of the

database application, leading to improved productivity and user satisfaction.

Reports:

- **Facilitate data analysis:** Reports summarize and present data in a structured format, making it easier for users to analyze trends, patterns, and insights.
- **Support decision-making:** By presenting data in a visually appealing and understandable format, reports help stakeholders make informed decisions based on key findings and insights derived from the database.
- **Enable communication:** Reports provide a means to communicate important information derived from the database to stakeholders, enabling effective communication and collaboration within an organization.

Answer 21

(a)

```
SELECT PNAME
FROM Product
WHERE Category = "DOMESTIC";
```

(b)

```
SELECT PNAME, PRICE
FROM Product
WHERE QUANTITY < 50;
```

(c)

```
SELECT PRICE, QUANTITY
FROM Product
WHERE PNAME = 'LAPTOP';
```

(d)

```
SELECT PNAME, QUANTITY
FROM Product
WHERE PRICE > 5000;
```

For Visually Impaired Candidates

In the context of Database Management Systems (DBMS):

Database: A database is an organized collection of structured data stored electronically in a computer system. It serves as a centralized repository for storing and managing data related to a particular domain or application. Databases typically consist of multiple interconnected tables, each representing a specific entity or data type. Common types of databases include relational databases, NoSQL databases, and object-oriented databases.

Table: A table is a fundamental component of a relational database and represents a collection of related data organized into rows and columns. Each table in a database typically corresponds to a specific entity or concept, such as customers, orders, products, or employees. Tables consist of one or more columns, also known as fields or attributes, which define the properties or attributes of the entities being represented. Rows, also referred to as records or tuples, represent individual instances or entries of data within the table.

Field: A field, also known as a column or attribute, is a fundamental unit of data storage within a database table. Each field represents a specific data type or attribute associated with the entities represented by the table. Fields define the structure and properties of the data stored in the table, such as the data type, size, and constraints. Examples of fields include customer name, age, address, product price, and order date.

Composite Primary Key: In a relational database, a primary key is a unique identifier that uniquely identifies each record or row in a table. A composite primary key consists of two or more columns or fields that together uniquely identify each record in the table. Composite primary keys are often used when no single column can uniquely identify records, or when multiple columns together provide a more natural and meaningful identifier for the records.

