Sample Paper 08

INFORMATION TECHNOLOGY (402)

Class X Session 2026-27

Time: 2 Hours **Max. Marks: 50**

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of 21 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 (5 + 16 =) 21 questions, a candidate has to answer (5 + 10 =) 15 questions in the allotted (maximum) time of 2 hours.
5. All questions of a particular section must be attempted in the correct order.
6. SECTION A - OBJECTIVE TYPE QUESTIONS (24 MARKS):
   i. This section has 05 questions.
   ii. Marks allotted are mentioned against each question/part.
   iii. There is no negative marking.
   iv. Do as per the instructions given.
7. SECTION B – SUBJECTIVE TYPE QUESTIONS (26 MARKS):
   i. This section has 16 questions.
   ii. A candidate has to do 10 questions.
   iii. Do as per the instructions given.

SECTION - A

OBJECTIVE TYPE QUESTIONS

1. Answer any 4 out of the given 6 questions based on Employability Skills

(i) Regular exercise helps pep up your mood and can take your mind off a lot of worry and negativity which are the main feed of stress. Which of the following activity is not considered as exercise?

(a) Walking (b) Jogging

(c) Swimming (d) Talking

(ii) During a classroom discussion, Aditi noticed that her teacher used diagrams, pictures, and symbols on the board to make concepts easier to understand. She realized that this method communicates ideas without using spoken or written words. Based on this, what is visual communication dependent on among people?

(a) Signs, symbols, and pictures (b) Text messages

(c) Posture (d) Body language

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(iii) Aman is studying the concept of sustainable development and its impact on society. He is particularly interested in identifying the social benefits it brings to communities. Which of the following is a social benefit of sustainable development?

(a) Increased income inequality
(b) Improved access to education and healthcare
(c) Limited job opportunities
(d) Neglected social infrastructure

(iv) Priya is organizing her computer files to improve efficiency. She needs to move some folders and files from one location to another and wants to understand what this process entails. Moving a folder or a file means _____it from its original location and placing it at another location.

(a) Removing
(b) Leaving
(c) Pointing
(d) None of these

(v) Riya is managing a team at her workplace and notices that some employees are unable to meet the job requirements. She is trying to understand the meaning of incompetent staff. Incompetent staff means

(a) Experienced staff
(b) Qualified staff
(c) Not experienced and not qualified
(d) None of the above

(vi) Society plays a role in boosting entrepreneurship by

(a) Creates needs and demands
(b) Provides raw materials
(c) Creates a need for education
(d) All of the above

2. Answer any 5 out of the given 6 questions

(i) While preparing a project magazine, Priya added several pictures and text boxes to make the layout attractive. She wanted all these elements to have the same borders, background colors, column settings, and text-wrapping style. Her teacher explained that a specific type of style is used to format both graphics and text frames. Based on this, which styles are used to format graphics and text frames, including text wrap, borders, backgrounds, and columns?

(a) Border
(b) Frame
(c) Table
(d) Text

(ii) While working in the computer lab, Aarav needed to fetch specific information from a database without making any changes to the stored data. His teacher explained that a special part of the Data Manipulation Language is used only for retrieving information. Based on this, a _____ language is a portion of a DML involving information retrieval only.

(a) DCL
(b) Query
(c) TCL
(d) None of these

(iii) While updating the employee records in a database, Mehul noticed that some workers had changed their phone numbers. Instead of adding new rows, he needed to change the values inside the existing ones. His teacher reminded him that a specific SQL command is used to modify data already stored in a table. Based on this, the _____ command is used to modify the existing rows in a table.

(a) UPDATE
(b) ALTER
(c) INSERT
(d) REVIEW

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(iv) Neeta is planning to take a car loan to buy a new car. But she is not sure about the payback time, i.e. whether to pay it back in 5 or 6 years considering that her monthly fuel cost will also increase. In such cases, which of the following features of spreadsheet can she use to get an idea about it?

(a) Consolidation (b) Macros

(c) Templates (d) What-if analysis

(v) **Assertion (A) :** A Form is a database element used to view, enter, and edit records in a table.
Reason (R) : Forms provide a user-friendly interface for working with table data.

(a) Both A and R are true, and R is the correct explanation of A

(b) Both A and R are true, but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

(vi) A person who writes a blog or a weblog is known as _____.

(a) Program (b) User

(c) Blogger (d) None of these

3. Answer any 5 out of the given 6 questions.

(i) While creating a macro to arrange student marks in order, Ritu learned that sorting will work correctly only if the cells she selects follow a specific structure. Her teacher reminded her that the range must meet an important condition before the macro can sort it properly. Based on this, for sorting through a macro, the selected cell range must be _____.

(a) Identical (b) Different

(c) Both (a) and (b) (d) formatted

(ii) The processed form of data is known as _____

(a) Value (b) Information

(c) Knowledge (d) None of these

(iii) _____ service can integrate both video calling and instant messaging abilities.

(a) Web conferencing (b) Web browser

(c) Web page (d) None of these

(iv) Riya is working on a presentation and wants to enhance it by adding new images to the Gallery. She is looking for the correct option to achieve this efficiently. To add a new image to the Gallery, you can click on the _____ button.

(a) New image (b) Add image

(c) New theme (d) Add theme

(v) This is a type of hyperlink available in Hyperlink dialog box, which creates a new worksheet.

(a) New document (b) New file

(c) New worksheet (d) New data

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(vi) _____ is a list, usually found on a page before the start of a written work, of its chapter or section titles or brief descriptions with their commencing page numbers.

(a) Preface (b) Table of contents

(c) Acknowledgements (d) Page title

4. Answer any 5 out of the given 6 questions

(i) The _____ alignment makes sure that none of the edges of text appear ragged.

(a) Left (b) Right

(c) Centre (d) Justify

(ii) During a networking class, Neel learned that when data travels from one computer to another, it must follow certain methods that decide how the information moves across the network. His teacher explained that these methods play an important role in managing the flow of data between devices. Based on this, _____ are used for transmitting data across networks.

(a) Circuit switching (b) Switching techniques

(c) Channel (d) None of these

(iii) What happens if you try to enter duplicate values in a column marked as a primary key?

(a) Duplicate values are allowed (b) Only text values are allowed

(c) Duplicate values are not allowed (d) Values are automatically deleted

(iv) A collection of web pages linked together in a random order is _____.

(a) A website (b) A web server

(c) A search engine (d) A web browser

(v) During a computer class, Aarohi opened a spreadsheet file to enter monthly expenses. Her teacher explained that the grid she was typing into was made up of rows and columns that intersect to form cells where data can be stored. Based on this explanation, a worksheet is a _____.

(a) Collection of workbooks (b) Processing software

(c) Combination of rows and columns (d) None of the above

(vi) _____ controls how graphics are stacked upon each other or relative to the text.

(a) Arrangement (b) Alignment

(c) Anchoring (d) Wrapping

5. Answer any 5 out of the given 6 questions

(i) While preparing invitation letters for an event, Kavya didn't want to type each guest's address manually on envelopes. Her teacher showed her a feature in the word processor that automatically takes names and addresses from a list and places a different one on each label or envelope. Based on this, a _____ can also be a quick way to generate labels or envelopes with different mailing addresses.

(a) Data source (b) Database

(c) Mail merge (d) E-mail

(ii) The candidate key, which is not used as primary key is called _____ key.

(a) Primary (b) Foreign

(c) Alternate (d) Super

(iii) During a digital literacy session, Rohan learned that broadband internet does not always require wires. His instructor explained that wireless broadband can be used while moving or even installed at a permanent location in homes and offices. Based on this, wireless broadband can be _____.

(a) Mobile (b) Fixed

(c) Both (a) and (b) (d) None of the above

(iv) While exploring spreadsheet tools, Sanjay wanted to test how different values would affect his project budget. His teacher showed him a feature that allows users to create multiple possible situations and compare outcomes without changing the original data. Based on this, scenarios are tools used to test _____ questions.

(a) Auto (b) Goal Seek

(c) What-if (d) Drop Down

(v) During a computer class, Mehul learned how computers, phones, and other devices connect with each other to share data and resources. His teacher explained that the process of creating these connections between devices is known by a specific term. Based on this, _____ is the formation of networks.

(a) Server (b) Networking

(c) Client (d) None of these

(vi) Riya kept separate worksheets for each branch's monthly sales. To make a final report, she needed a tool that could pull data from all sheets into one summary. Her teacher showed her a feature that combines data from multiple worksheets or workbooks. Based on this, the _____ function takes data from several sheets and summarises it into a single worksheet.

(a) Summation (b) Data Consolidation

(c) Data Format (d) Data Chart

SECTION - B

SUBJECTIVE TYPE QUESTIONS

Direction for Q 6-Q 10 : Answer any 3 out of the given 5 questions on Employability skills. Answer each question in 20-30 words.

6. Rohan is working on an important project for his company. He frequently downloads files from the internet and uses external drives, so he wants to ensure his computer is protected from potential threats. Explain the use of Antivirus for the protection of the computer system.

7. Define natural walk as stress management technique.

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8. How can individuals contribute to the development of green skills?

9. Neha wants to improve her communication skills by better engaging with her team during meetings. How can active listening improve communication skills?

10. Describe the role of entrepreneurs.

Direction for Q 11-Q 16 : Answer any 4 out of the given 6 questions in 20-30 words each.

11. Describe various transaction control commands of SQL.

12. What do you mean by relative cell referencing?

13. Explain the working of message switching technique.

14. Ravi is working as a safety officer in a manufacturing plant. He is learning about workplace safety and wants to understand the terms related to accidents and hazards in the workplace. Define the following :

(i) Accident in workplace
(ii) Hazard

15. Write the steps to freeze the columns.

16. Mention the steps to be followed to choose a style for a Word document?

Direction for Q 17-Q 21 : Answer any 3 out of the given 5 questions in 50-80 words each.

17. Nupur is preparing for her upcoming database examination and is revising important concepts related to how data is stored and processed. While studying, she realizes that some terms appear similar but actually have different meanings in database management. To strengthen her understanding and avoid confusion during the exam, she wants clear explanations that highlight how these concepts differ from one another. Nupur wants to know the differences between the following:

(a) Fields and tuples
(b) Data and information

18. Tanisha has completed preparing her project in a word processor and has already inserted a Table of Contents to organize her work properly. Now she wants to make some changes to the headings and layout of the TOC and also ensure that any updates made in the document reflect correctly in it. To help her handle these tasks confidently, Tanisha had created a Table of Contents of the project done by her. Tell her the different steps to do the following :

(a) Editing a TOC
(b) Updating a TOC

19. Ramesh is working on a database project that involves managing a table of items. He needs to understand the number of fields and records in the table, and write SQL queries to extract specific information from it.

TABLE: ITEMS					
Code	**I Name**	**Qty**	**Price**	**Company**	**T Code**
1001	DIGITAL PAD 121	120	11000	XENITA	T01
1006	LED SCREEN 40	70	38000	SANTORA	T02
1004	CAR GPS SYSTEM	50	2150	GEOKNOW	T01
1003	DIGITAL CAMERA 12X	160	8000	DIGICLICK	T02
1005	PEN DRIVE 32 GB	600	1200	STOREHOME	T03

(a) How many fields and records are there in the table ITEMS?

(b) Write the SQL queries to:

(i) Display the detail of all the items in ascending order of item names (i.e., IName)

(ii) Display IName and Price of all those items, whose price is in the range of 10000 and 22000.

(iii) Display all the information of the items having price less than 10000.

20. Simran is learning to use a spreadsheet application and wants to make her work clearer by adding notes to specific cells. She needs help understanding how to insert and modify these notes. Simran wants to add comments in a spreadsheet application. Tell her the different steps involved in adding and editing comments.

21. Lakshit has been studying different concepts related to internet communication and network devices. While going through his textbook, he came across a few important terms that he wants to understand clearly so he can prepare well for his exams. To help him build a strong understanding of these concepts, Lakshit wants to know the definitions of the following terms. Answer to his query:

(i) Web based instant messaging software

(ii) Cable modem.

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