Sample Paper 10

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) Anita is studying stress management techniques in her psychology class and learned that positive stress can motivate individuals to achieve their goals. The good stress is called _____

(a) Eustress (b) Emstress

(c) Both (a) and (b) (d) None of these

(ii) Meera is attending a workshop on effective communication and is learning about the role of feedback in conversations. What is the importance of feedback in communication?

(a) It allows the speaker to dominate the conversation

(b) It helps in avoiding any further communication

(c) It facilitates understanding, clarification, and improvement

(d) It discourages active listening

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(iii) Ravi, a budding entrepreneur, is learning about effective leadership in his management class. He wants to know the best approach to get work done efficiently from his team. Based on this, how can an entrepreneur get the work done from his/her team?

(a) By creating a spirit of teamwork (b) By motivation

(c) Using harsh words and actions (d) Both (a) and (b)

(iv) What is the primary goal of green skills training?

(a) To reduce employment opportunities

(b) To promote sustainable practices and industries

(c) To prioritize economic growth over environmental concerns

(d) To discourage technological advancements

(iv) Windows 10 is an operating system developed by _____.

(a) Microsoft (b) IBM

(c) Samsung (d) Sony

(vi) Managing stress is about making a plan to be able to cope effectively with daily pressures. Always keep in mind the ABC of stress management. The acronym ABC stands for

(a) Ability, Burden, Concise (b) Adore; Belief, Cause

(c) Adversity, Beliefs, Consequences (d) Adapt, Balance, Cooperate

2. Answer any 5 out of the given 6 questions

(i) While automating repetitive tasks in Calc, Anjali wanted to record each step so she could replay it later with a single click. Her teacher told her that the macro recorder must be started using a specific command from the menu. Based on this, which command is used to start the macro recorder?

(a) Tools → Macros → Record Macro (b) Tools → Record → Record Macro

(c) Data → Macros → Record (d) None of the above

(ii) While preparing a budget sheet, Kunal wanted to enter a formula that used values from different cells. His teacher reminded him that he could select the required cells in two different ways—either by typing their references or by clicking directly on them. Based on this, cell referencing can be done by using a _____ as well as _____.

(a) Keyboard, windows menu (b) Keyboard, mouse

(c) Windows menu, mouse (d) None of the above

(iii) While preparing a mail merge letter, Radhika first added the data source containing all recipient details. Her teacher then instructed her to choose how each letter should begin, such as "Dear Sir" or "Dear Madam." Once she selected it, the chosen greeting automatically appeared in the panel on the screen. Based on this, after adding the data source, the selected salutation will be displayed in the _____ pane.

(a) Salutation (b) Preview

(c) Display (d) None of these

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(iv) We can rename a new sheet in Calc.

(a) After inserting a new sheet (b) While inserting a new sheet

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

(v) In case, another user is trying to save the shared worksheet and resolve conflicts, you see a message that the shared spreadsheet file is due to a merge in progress.

(a) Stopped (b) Locked

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

(vi) Full form of OLE is _____.

(a) Object Linked and Embedded (b) Option Linking and Embedding

(c) Open Linking and Embedding (d) Object Linking and Embedding

3. Answer any 5 out of the given 6 questions

(i) While creating her project report, Anushka needed to insert a table to organize data clearly. Her teacher reminded her that tables are created from a specific tab in the ribbon, and within that tab, there is a group dedicated especially for table-related options. Based on this, if a table has to be created, which tab and group should be used?

(a) Insert tab → Tables group (b) Home tab → Tables group

(c) Design tab → Tables group (d) None of the above

(ii) _____ is a computer program that provides services to other computer programs.

(a) Server (b) Client

(c) Network (d) None of these

(iii) Which of the following is not the main building block of a database?

(a) Lists (b) Queries

(c) Reports (d) Forms

(iv) State True or False.
ClipArt object includes effects such as shadows, outlines, colors, gradients and 3D effects.

(a) True

(b) False

(v) Raj is working on a spreadsheet and wants to make changes to multiple sheets simultaneously. His instructor told him about grouping sheets. Based on this, in order to group sheets, while holding the _____ key, click on the Sheets tab you want to grou

(a) Alt (b) Shift

(c) Ctrl (d) Tab

(vi) In a document, you can insert _____.

(a) Pictures (b) ClipArts

(c) Shapes (d) All of these

4. Answer any 5 out of the given 6 questions

(i) In Calc, you can insert the data from different databases and other data sources. One such format is

(a) Odd (b) .Dbms

(c) .Odb (d) .Ods

(ii) Mehul learned that some SQL commands are not meant for changing data or table structure but for controlling how transactions behave—such as confirming changes or undoing them. His teacher explained that these commands belong to a special category called TCL. Based on this, TCL commands are used to manage _____ in a database.

(a) Data (b) Values

(c) Transactions (d) None of the above

(iii) During a networking lesson, Arav learned that in some networks, the computer requesting a service is separate from the computer providing it. His teacher explained that this type of setup clearly distinguishes the client machine from the server machine. Based on this, _____ is a network architecture which separates the client from the server

(a) Client Server Network (b) Peer - to - Peer Network

(c) Both (a) and (b)

(d) None of the above

(iv) _____ is used to begin text-to-speech utility that reads what is displayed on the screen.

(a) Start Narrator (b) Web page

(c) Website (d) None of these

(v) Riya was learning about how computers connect to a network in her computer lab. Her instructor explained that every workstation requires a specific hardware device that creates the physical link between the computer and the network, allowing data to be sent and received smoothly. Based on this, which device provides the physical connection between the network and a computer workstation?

(a) LIC (b) NC

(c) NIC (d) None of the above

(vi) While preparing her project report, Anjali arranged her content using headings and subheadings. Her teacher explained that in a structured document, higher-level headings show the main topics, while lower-level headings break those topics into smaller parts. Based on this, in the hierarchy of headings, the lower - level headings pertain to _____ and _____.

(a) Section, sub-sections (b) Headings, sub-headings

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

5. Answer any 5 out of the given 6 questions

(i) Rohit wanted to open his school website and typed a specific address into the browser. His teacher explained that every webpage on the internet can be found using a standard addressing system used worldwide. Based on this, a web page is located using a:

(a) Universal Record Linking (b) Universal Record Locator

(c) Uniform Resource Locator (d) Uniformly Reachable Links

(ii) To create the link from one document to another, both the documents should be

(a) Open (b) Closed

(c) Both (a) and (b) (d) None of these

(iii) Anita wanted to write her blog posts without using the internet, so she installed an offline blog editor called Blog Desk on her computer. Her trainer informed her that this editor works only on a specific operating system. Based on this, Blog Desk is an offline blog editor which is used for _____ operating system.

(a) Linux (b) Unix

(c) Windows (d) None of the above

(iv) While practicing SQL commands, Aarav wanted to extract specific information from a database table. His instructor explained that whenever we request data using the SELECT statement, it is known by a particular term in databases. Based on this, _____ is an inquiry into the database made using the SELECT statement.

(a) Query (b) Data

(c) Equation (d) None of these

(v) While reviewing the school database, Meena noticed that the same student's information appeared in several tables. Her teacher explained that storing the same data in multiple places can cause mismatched or outdated information over time. Based on this, _____ leads to data inconsistency.

(a) Data integrity (b) Data sharing

(c) Data redundancy (d) Data recovery

(vi) While entering student details into a database, Riya observed that each value - such as name, age, or roll number-was stored separately. Her teacher explained that each individual value stored in a table is treated as one small unit of information. Based on this, which of the following is a single piece of data?

(a) Field (b) Table

(c) Record (d) Form

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. Riya, a high school student, is preparing for a motivational workshop and has come across the concept of self-motivation. She wants to understand its significance. Based on this context, explain the term self-motivation.

7. How can communication skills impact career success?

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8. What is the role of green skills in mitigating climate change?

9. Arjun is attending a business seminar where the term entrepreneur is frequently mentioned. To complete his understanding, he asks, "What do you mean by the term entrepreneur?"

10. Define multi- processing and multi-user operating system.

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

11. State the use of Consolidating Data in a spreadsheet.

12. Explain the term table used in database.

13. Priya is learning spreadsheet formulas in her computer class. Her teacher discussed the concept of cell reference and its importance. To clarify further, Priya asks, "What is cell reference? Also, write the use of a cell reference in one or several formulas."

14. What are the steps to apply first aid roller bandage to a wound?

15. Distinguish between switch and repeater.

16. Describe the significance of using templates in your documents.

Ans :

1. On using the standard templates, it is easy to create colour, attractive designs for slides.
2. Easily one can modify the templates, even we can download from Internet.
3. Attractive designs of templates are available; it will be the audience to look up of the presentation.
4. It creates attentive of audience.
5. Quick customization of templates, text, fonts, pictures were available.
6. It has professional computer design.

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

17. Samiksha is working on an advanced spreadsheet project and wants to understand the use of some key tools in data analysis. She asks, "Describe the use of the following terms:

(i) Goal Seek

(ii) Scenario

(iii) Subtotal

(iv) Solver

18. Prashant is currently learning about database systems as part of his computer course work. While studying, he becomes particularly interested in understanding how data inside a database can be handled effectively. To deepen his knowledge, he wants to learn more about the commands used specifically for modifying, retrieving, and managing data. With this goal in mind, he asks for help and says, "I want to know about Data Manipulation Language commands. Solve the following queries for me."

(i) What is DML?
(ii) Explain any three DML commands.

19. Harmanpreet had inserted an image in a word processor application. Now, she wants to know the use of the following terms. Tell her the correct answer.

(i) Alignment
(ii) Anchoring

20. Aman is currently working on his school project, where he must study and interpret various types of data stored in a database. As part of this task, he is carefully examining a database table named APPLICANTS, which contains important information about individuals who have submitted applications. While reviewing this table, he has come across the following dataset:

TABLE : APPLICANTS

No.	NAME	FEE	GENDER	C_ID	JOIN YEAR
1012	Amandeep	30000	M	A01	2012
1102	Avisha	25000	F	A02	2009
1103	Ekant	30000	M	A02	2011
1049	Arun	30000	M	A03	2009
1025	Amber	40000	M	A02	2011

(i) How many records and fields are there in the table APPLICANTS.
(ii) Write the SQL queries to:
  (a) Display NAME, FEE, GENDER, JOINYEAR about the APPLICANTS, who have joined before 2010.
  (b) Display the NAMES of all APPLICANTS in ascending order of their JOINYEAR.
  (c) Display the details of APPLICANTS of female.

21. Chetanya is preparing for his upcoming examination on networking and modern technology. As he reviews his notes, he realizes that many technical terms are frequently used but not always clearly understood. Wanting to strengthen his concepts, he becomes curious about these commonly used terms and asks his teacher for clarification by saying, "What are the functions of the following terms?

(i) Modem
(ii) Web page
(iii) Wi-fi
(iv) GPS

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