Model -1

SUBJECT: INFORMATION TECH.   CLASS: X

Maximum Marks: 50   Date:_____   Time: 2 hrs

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. iv. Marks allotted are mentioned against each question/part.

<u>SECTION A: OBJECTIVE TYPE QUESTIONS</u>

1. **Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)**

    i)   When it is difficult to communicate with someone who is not willing to talk or express their feelings and views it means there is a/an ....

    (a) Culture Barrier   (b) Interpersonal Barrier

    (c) Physical Barrier   (d) Language Barrier

    ii)   Kartik's computer is running very slow, hangs and often restarts. He is very confused and tensed as he is working on a very important assignment. Kartik's friends gave him the following suggestions. Identify who has given him a genuine suggestion.

    (a) Radha: Restart your machine

    (b) Ishan: Install reliable antivirus software and update

    (c) Amar: Don't use Pen Drive

    (d) Sam: Install free antivirus from net

iii) .... refers to focusing human efforts for maintaining a healthy body and mind capable of better withstanding stressful situations.

(a)   Self-Motivation   (b)   Stress Management

(c)   Self-Awareness   (d)   Self-Regulation

(iv) High expectations from self can leave with chronic anxiety and stress, thus leading to .... stress.

(a)   Physical   (b)   Emotional

(c)   Mental   (d)   Financial

(v)   Which of the following is/are a myth about Entrepreneurship?

(a)   Need a lot of Money   (b)   Must have a great Idea

(c)   Should know everything about business   (d)   All of these

2.   **Answer any 5 out of the given 6 questions**   **(1 x 5 = 5 marks)**

(i)   Which one is not the tab of the insert index table window of Writer Document?

(a)   Entries   (b)   Background

(c)   Style   (d)   Row

(ii) In the custom styles, each .... field on the Structure line represents a blank space in a document.

(a)   Black   (b)   White

(c)   Blue   (d)   Yellow

(iii) Saurabh has made an advertisement in Digital Document. He is facing difficulty in positioning the images within the text. Suggest him how he can adjust the image?

(a)   Wrap text   (b)   Crop

(c)   Alignment   (d)   Layout

(iv) Radha is planning a school event and wants to decide how much money to allocate for different activities, like games, food, and decorations. She creates several different budget plans to see how changing the amount for each category affects the total expenses. How can Radha efficiently compare the different budget plans for her school event in the same spreadsheet?

(a)   By writing down each budget on paper

(b)   By using the What-if scenario feature in the spreadsheet to create and analyze different budget options

(c)   By asking her friends to guess the costs

(d)   By using the Filter function to look at one category at a time

(v)   To increase the contrast of an image, ... option is used in a document.

(a)   Smooth   (b)   Sharpen

(c)   Aging   (d)   mosaic

(vi)   .... provide internet access by transmitting digital data over wires of a local telephone network.

        (a)   ISP   (b)   DSL

        (c)   Dial-up connection   (d)   Modem

3.   **Answer any 5 out of the given 6 questions**   **(1 x 5 = 5 marks)**

(i)   .... is specifically designed to minimize the results according to set rules that we define in a spreadsheet.

        (a)   Goal Seek   (b)   Scenario

        (c)   Solver   (d)   Subtotal

(ii)   Sahil and his partners have created a list of their company employees in one of the spreadsheets in the office. Now the rest of the task they want to complete from home. Which option should they use to access the same Spreadsheet from home?

        (a)   Consolidate Worksheet   (b)   Link Worksheet

        (c)   Merge Worksheet   (d)   Lock Worksheet

(iii)   .... can help to clarify the relation between cells while using "Multiple Operations".

        (a)   Detective   (b)   Solver

        (c)   Navigation   (d)   Hyperlink

(iv)   Identify the part of a Spreadsheet using which a user can manage multiple sheets.

        (a)   Status Bar   (b)   Sheet Tab

        (c)   Formula Bar   (d)   Worksheet Area

(v)   Spreadsheet software can find the changes by .... sheets.

        (a)   Changing   (b)   Comparing

        (c)   Renaming   (d)   Editing

(vi)   At the bottom of each worksheet, left tab indicates the .... of the worksheet in a workbook.

        (a)   Size   (b)   3 Type

        (c)   Name   (d)   Color

4.   **Answer any 5 out of the given 6 questions**   **(1 x 5 = 5 marks)**

(i)   It enables users to view, enter, and change data directly in database objects.

        (a)   Report   (b)   Query

        (c)   Form   (d)   Database

(ii)   There are .... types of relationships in a table of a database.

(a)   One   (b)   3

(c)   4   (d)   Many

(iii)   A Relational database uses .... commands which is a standard user application that provides an easy programming interface for database interaction.

      (a)   Access   (b)   Python

      (c)   SQL   (d)   Protocol

(iv)   Suraj wants to create a database for his clients. For this purpose, he needs to store the email IDs of his clients. Which datatype should he use to accomplish this purpose?

      (a)   Numeric   (b)   Varchar

      (c)   Binary   (d)   Boolean

(v)   Geet has written a SQL query in SQL view. But he doesn't know how to execute the query using keyboard keys. Suggest him the shortcut key to complete the task.

      (a)   Enter   (b)   Ctrl + E

      (c)   Space bar   (d)   F5

(vi)   A table can have only .... Primary key in a database.

      (a)   1   (b)   2

      (c)   3   (d)   Many

5.   **Answer any 5 out of the given 6 questions**   **(1 x 5 = 5 marks)**

(i)   .... key is an accessibility feature that assists people having difficulty in using keyboard and mouse.

      (a)   Guide   (b)   Sticky

      (c)   Serial   (d)   Home

(ii)   In LibreOffice Writer, which option refers to the feature where the reference point is the page or frame while the object is a paragraph or character?

      (a)   Wrapping   (b)   Anchoring

      (c)   Alignment   (d)   Positioning

(iii) Which of the following is not a web browser?

      (a)   Safari   (b)   Internet Explorer

      (c)   Google   (d)   Firefox

(iv)   Which of the following is the best example of a strong password?

      (a)   9412356789   (b)   14Hd{]$_Sb10

      (c)   HarryPotterSeries   (d)   14Oct2004

(v)   Bharat has set up his company with 20 computers in a building. He wants to connect all the computers together. Which type of Network will be the best for this purpose?

      (a)   LAN   (b)   WAN

(c)   PAN   (d)   MAN

(vi)   IP stands for ....

        (a)   International Protocol   (b)   Internet Protocol

        (c)   Intranet Protocol   (d)   Interpersonal Protocol

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills   **(2 x 3 = 6 marks)**

Answer each question in 20 – 30 words.

6.   What are the learning objectives of communication?

7.   Why do we say that an entrepreneur should be open-minded?

8.   How is self-regulation connected to the ability to work independently?

9.   How can we prevent computer against attack by viruses.

10.   "Green economy promotes sustainable development". Justify the statement.

Answer any 4 out of the given 6 questions in 20 – 30 words each   **(2 x 4 = 8 marks)**

11.   List any four items that may be added in the Header area.

12.   Differentiate between linking and embedding a document. Does embedding an object increase the size of the document ? List any two websites that offer free clipart.

13.   Explain any three data types in OpenOffice base.

14.   Explain the following with respect to Databases :

    (a) Forms   (b) Reports   (c) Table

15.   What is the wrap setting? Mention the types of wrap settings available in Word processors.

16.   What are different types of alignments? Explain.

Answer any 3 out of the given 5 questions in 50– 80 words each (4 x 3 = 12 marks)

17.   Given the following Spreadsheet, write the appropriate Formula/ Expression/Function to be used for (a) to (d) :

	A	B	C	D	E	F	G	H
1	Quarterly sales report							
2	Zone	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Total		
3	North	500	420	290	400			
4	West	150	130	400	250			
5	East	400	270	320	350			
6	South	540	530	457	380			
7								

(a) Write the formula to calculate the Total sales of North Zone.

(b) Write the feature used for arranging the Sales from Lowest to the Highest.

(c) To find the Maximum Sales in East Zone.

(d) To find the Average Sales in Jan-Mar in cell C7.

18. (a) Create table EMPLOYEE

EMPID Char(4)

EMPNAME Varchar(15)

DESIGN Varchar(20)

SALARY Decimal

(b) Categorize the following commands as DDL and DML : 2 SELECT, ALTER, INSERT, DROP

19. A team of writers is collaborating on a report using a word processing software with a Track Changes feature. One writer creates the initial draft, which then needs to be reviewed and edited by the rest of the team.

a)   Why is the Track Changes feature essential for collaborative document editing?

b)   Which menu option can be used to access this feature?

c)   Can reviewers add comments?

d)   Once the changes are made by all the reviewers, who can accept or reject them?

20. A health clinic is developing a patient management system to streamline patient intake, appointments, and medical records. They need to implement forms for various purposes, including new patient registration, appointment scheduling, and updating medical histories.

a)   What is the use of form in DBMS?

b)   What are the different ways to create forms in DBMS?

c)   Where can we find various tools to add or edit controls on the form?

d)   What is the use of the Records Toolbar in a form?

21. Explain any five types of charts available in spreadsheet.

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