

Sample Paper - IV CLASS X (2020-21)

INFORMATION TECHNOLOGY

Max. 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 (05 + 16 =) 21 questions, you have to answer (5 + 10 =) 15 questions in the allotted (maximum) time of 2 hours.**
5. All questions of a particular part/section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (30 QUESTIONS; 24 MARKS):**
 - i. Each question carries 1 mark.
 - ii. There is no negative marking.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (16 QUESTIONS; 26 MARKS):**
 - i. This section has 16 questions in three parts viz. Part A, Part B & Part C.
 - ii. A candidate has to do 10 questions (3 questions from Part A, 4 questions from Part B and 3 questions from Part C).
 - iii. **Part A** has 05 questions on Employability Skills. Do any 03 questions. Answer these questions in 20 – 30 words each. Each question carries 2 marks. **(2 x 3 = 6 Marks)**
 - iv. **Part B** has 06 subject specific questions. Do any 04 questions. Answer these questions in 20 – 30 words each. Each question carries 2 marks. **(2 x 4 = 8 Marks)**
 - v. **Part C** has 05 subject specific questions. Do any 03 questions. Answer these questions in 50-80 words each. Each question carries 4 marks. **(4 x 3 = 12 Marks)**

SECTION A: OBJECTIVE TYPE QUESTIONS

Q. 1	Answer any 4 of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
i.	Which one of these is not a part of communication Process. a) Encoding b) Barrier c) Medium d) Feedback	1
ii.	A Student completes his work only when his parents remind and drive him do. The student is facing lack of _____ a) Self-Discipline. b) Self-Awareness c) Self-Motivation d) Self-Regulation	1
iii.	Which of these are stress Management Techniques? a) Exercise b) Yoga c) Meditation d) All off these	1
iv.	The sustainable Development goals are also known as _____ by United Nations to address great challenges. a) Global Goals b) environment commission c) Green earth d) both a and c	1
v	_____ and _____ programs offer real-time protection monitoring your computer for any changes by malware software a) Cookies b) Antivirus c) Antispyware d) both b and c	1

vi	_____ is the important function of Entrepreneur. a) Decision Making b) Creates Jobs and Employment Opportunities c) Both (a) and (b) d) Healthcare	1
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Q. 2	Answer any 5 of the given 6 questions (1 x 5 = 5 marks)	
i	_____ Operating System is designed to give instant response and minimise execution time. a) Client-Server b) Multitasking c) Real Time d) Both (b) and (c)	1
ii	Identify the Online Security threats: a) Phishing b) email spoofing c) chat spoofing d) All of the given	1
iii	To make Online transaction safe we should verify that website is indicated through a ____ In the web browser. a) Golden lock b) Antivirus c) Password d) Bank Details	1
iv	At the end of every Blog written always insert a _____ for reader to subscribe or comment. a) Topic b) Title c) Call-to-action d) Blog tools	1
v	Which feature in a spreadsheet will you use to record series of commands? a) Subtotal b) Macros c) Goal seek d) Scenarios	1
Vi	A _____ is used to apply a group of formatting effects together to the text, paragraph or a heading. a) Labels b) Mail merge C) Style d) both b and c	1

Q. 3	Answer any 5 of the given 6 questions (1 x 5 = 5 marks)	
i	A Template can be created in Writer by saving a document with _____ extension. a) .odt b). ott c).dbm d) .ods	1
ii	The _____ surrounds the text as per the size of the image. a) Wrap left b) page Wrap c) Wrap off d) Optimal wrap	1
iii	The Consolidate feature in Calc is found in _____ Menu. a) Data b) View c) Edit d) Insert	1

iv	The _____ button represents the start of a hyperlink that doesn't appear on the default Structure line. a) LE b) LS c) # d) T	1
v	The _____ tool in Calc helps to manage ,analyse and summarise data. a) Goal Seek b) Scenario c) Subtotal d) Shared data	1
vi	Which type of Hyperlink contains the full address of the destination of the web page. a) Relative b) External c) Absolute d) none of the given	1

Q. 4	Answer any 5 of the given 6 questions (1 x 5 = 5 marks)	
i	Which is the correct step in Calc if we want to review edited versions of multiple reviewers at once? a) Edit>changes>merge document b) Edit>changes>compare c) Edit>changes>Reject d) Edit>changes>comment	1
ii	If we want to know at what interest rate, we can borrow a loan of 50,000,000 to be repaid in 20 years. Person can monthly instalment of 50,000. Which feature of spreadsheet will be used to get the value of the interest rate. a) Multiple Operations b) Macro c) Goal Seek d) Hyperlink	1
iii	_____ deals with equations with multiple unknown variables. a) Goal seek b) Scenario c) Solver d) Subtotal	1
iv	The _____ section allows all settings to be customised to help disabled person. a) Serial Key b) Start c) Filter key d) Ease of Access Center	1
v	While consolidating data we are continually working with the same range of cells. Then we should assign _____ instead of using cell references. a) Range name b) Hyperlinks c) cut d) Group	1
vi	In _____ option it becomes mandatory to enter a value to a field and cannot be left blank. a) Format b) Length c) Default d) Entry Required	1

Q. 5	Answer any 5 of the given 6 questions (1 x 5 = 5 marks)	
i	The _____ property allows the user to specify an alternative name for any field. a) Default b) Alias c) Format d) Edit	1
ii	To protect data from any unauthorised access is known as _____. a) Data Encryption b) Antivirus c) Cookies d) Offline	1
iii	Which command is used to retrieve the records from the Table in database? a) Update b) Modify c) Select d) Alter	1
iv	In _____ view in Database we can set Primary Key and change field type. a) Datasheet view b) Design Query c) Wizard d) Design View	1

v	_____ occurs when the same piece of data duplicated multiple times. a) Data Integrity b) Data Inconsistency c) Data Redundancy d) Backup	1
vi	_____ are used to display the selected data in a printable format. a) Reports b) Forms c) Queries d) Wizard	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

PART A: SHORT ANSWER TYPE QUESTIONS ON EMPLOYABILITY SKILLS Answer any 3 of the given 5 questions (2 x 3 = 6 marks)

Q. 6	List all the 7C's of effective communication? Briefly explain any two.	2
Q. 7	Explain any 2 functions of an Entrepreneur.	2
Q. 8	Give one example each to explain how Self-motivation and Self-Regulation helps in stress management.	2
Q. 9	What are the file extensions of the following `files? i) text file ii) image file iii) sound file iv) word file	2
Q. 10	Give one example each of sustainable initiatives and Sustainable Processes undertaken to preserve the environment.	2

PART B: SHORT ANSWER TYPE SUBJECT SPECIFIC QUESTIONS Answer any 4 of the given 6 questions (2 x 4 = 8 marks)

Q. 11	<p>An automobile showroom wants to calculate the total car sales of the first quarter of the years 2020 and 2021 as given. Show the complete consolidate data dialogue box to generate consolidated report:</p> <p>SALES OF THE YEAR 2020</p> <table><tr><td>CARS</td><td>JAN</td><td>FEB</td><td>MARCH</td></tr><tr><td>Santro</td><td>340</td><td>200</td><td>350</td></tr><tr><td>Wagon R</td><td>456</td><td>800</td><td>230</td></tr><tr><td>i10</td><td>790</td><td>300</td><td>160</td></tr><tr><td>Swift</td><td>100</td><td>290</td><td>167</td></tr></table> <p>SALES OF THE YEAR 2021</p> <table><tr><td>CARS</td><td>JAN</td><td>FEB</td><td>MARCH</td></tr><tr><td>Santro</td><td>122</td><td>250</td><td>110</td></tr><tr><td>Wagon R</td><td>450</td><td>120</td><td>150</td></tr><tr><td>i10</td><td>100</td><td>320</td><td>165</td></tr><tr><td>Swift</td><td>300</td><td>100</td><td>200</td></tr></table>	CARS	JAN	FEB	MARCH	Santro	340	200	350	Wagon R	456	800	230	i10	790	300	160	Swift	100	290	167	CARS	JAN	FEB	MARCH	Santro	122	250	110	Wagon R	450	120	150	i10	100	320	165	Swift	300	100	200	2
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Q. 12	What is the difference Arranging images and Aligning images in writer?	2																																								
Q. 13	What is the use of Solver in a Spreadsheet? Show the complete dialogue box displaying it's working.	2																																								
Q. 14	Explain any 2 ways to secure yourself from online threats.	2																																								
Q. 15	Explain the the difference between DDL and DML in SQL.	2																																								
Q. 16	Explain the difference between LAN and WAN networking topologies.	2																																								

PART C: DESCRIPTIVE/ LONG ANSWER TYPE SUBJECT SPECIFIC QUESTIONS**Answer any 3 of the given 5 questions (4 x 3 = 12 marks)**

Q. 17	What is the purpose of the following tools in writer? i) Mail Merge and its 2 documents ii) Table of Contents and its 5 tabs	4																														
Q. 18	In an office multiple people collaborate to speedup data entry. Which feature in spreadsheet will help them in this? How will it be performed?	4																														
Q. 19	What are Blogs? How are they useful? Name any 2: i)websites that offer blog service ii) Offline Blog editors	4																														
Q. 20	Differentiate between: a. CHAR and VARCHAR datatypes b. Foreign Key and Composite Key	4																														
Q. 21	<div>Consider the following passenger table:</div> <table><tr><th>Passenger_Id</th><th>Passenger_name</th><th>Date_of_arrival</th><th>Ticket_cost</th><th>Airlines</th><th>Destination</th></tr><tr><td>001</td><td>Shamik</td><td>12/2/21</td><td>35000</td><td>GoAir</td><td>Bhopal</td></tr><tr><td>002</td><td>Anamika</td><td>30/12/20</td><td>30000</td><td>IndiGo</td><td>Goa</td></tr><tr><td>003</td><td>Manju</td><td>15/5/20</td><td>15000</td><td>GoAir</td><td>Jaipur</td></tr><tr><td>004</td><td>Anukriti</td><td>18/9/20</td><td>32000</td><td>SpiceJet</td><td>Bhopal</td></tr></table> <div>Give SQL Commands/Query for the following: 1)Display Passenger ID, Passenger name and Airlines whose destination is Bhopal. 2) Modify the Airlines to Vistara for the record whose Passenger Id is 002. 3) Find the total of the ticket cost for the 'GoAir' Airlines. 4) Display Passenger Id, Date of arrival and Destination for the records whose passenger name is 'Anamika'.</div>	Passenger_Id	Passenger_name	Date_of_arrival	Ticket_cost	Airlines	Destination	001	Shamik	12/2/21	35000	GoAir	Bhopal	002	Anamika	30/12/20	30000	IndiGo	Goa	003	Manju	15/5/20	15000	GoAir	Jaipur	004	Anukriti	18/9/20	32000	SpiceJet	Bhopal	4
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002	Anamika	30/12/20	30000	IndiGo	Goa																											
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