

BRAIN INTERNATIONAL SCHOOL

Session 2025-26

PRACTICE PAPER 1

Class X

Subject – I.T(402)

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.

SECTION A: OBJECTIVE TYPE QUESTIONS

Q. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
i.	Aisha moved from Egypt to Germany for work but finds it difficult to adjust because she is not familiar with German customs and workplace etiquette, which affects her interactions with colleagues. This situation illustrates : a) Interpersonal barrier b) Cultural barrier c) Physical barrier d) Linguistic barrier	1
ii.	High expectations from self can leave with chronic anxiety and stress, thus leading to _____ stress. (a) Physical (b) Emotional (c) Social (d) Financial	1
iii.	Atul notices that the cost of raw materials is lower with another supplier and decides to switch to save money. Which function of an entrepreneur is he performing? a) Decision Making b) Divides income c) Takes risk (d) Innovation	1

iv.	Imagine you are working on a challenging project for your studies, and you have a tight deadline. No one is around to cheer you on or offer encouragement, but you need to push through and complete the work. What will make you complete work without others cheering you? (a) Self-confidence (b) Communication (c) Self-motivation (d) Self-esteem	1
v.	How many goals and targets are there for SDGs? (a) 15 and 169 (b) 16 and 220 (c) 17 and 169 (d) 17 and 220	1
vi.	What should you do to ensure secure online transactions? (a) Lock your computer (b) Give credit card or bank details only on safe websites (c) Use anti-virus (d) Do not use pirated software .	1

Q. 2	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Which type of barriers occur when there is a problem in the channel or medium used for communication, such as poor connection or noise? (a) Attitudinal barriers (b) Perceptual barriers (c) Mechanical barriers (d) Gender barriers	1
ii.	A ----- is a question asked from a database. (a) Query (b) report (c) form (d) field	1
iii.	What is a style in LibreOffice Writer? (a) A method of typing (b) A collection of all formatting information (c) A tool for drawing shapes (d) A spell-check feature	1
iv.	Which of the following tabs is by default active when the Table of Contents, Entries or Bibliography dialog box is opened? (a) Entries (b) Background (c) Styles (d) Type	1
v.	Which of the following is true about Track Changes feature of Writer? (a) You cannot record a change made in the document. (b) Comments can be deleted by any authorized user, not just the author. (c) Any change made to the document is permanent. (d) None of the above	1
vi.	Why does the lower back become sore? (a) reaching forward frequently (b) no lumbar support (c) no upper back support from chair (d) reaching forward for long period	1

Q. 3	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	What is the extension of spreadsheet file in Calc? (a) .odb (b) .odt (c) .odg (d) .ods	1
ii.	Which of the following is the shortcut key to open the Templates dialog box? (a) Ctrl+Alt+N (b) Ctrl+Shift+N (c) Ctrl+Alt+T (d) Shift+Alt+T	1
iii.	Which style category would you use to format a section containing text, graphics, and lists? a) Page Style b) Paragraph Style c) Character Style d) Frame Style	1
iv.	It is a reference point for the graphics which is created while positioning any image. This point could be the page, or frame where the object is either a paragraph, or even a character in a word processor. (a) Wrap Text (b) Anchoring (c) Alignment (d) BookMark	1
v.	A fresh food cafeteria helps to maintain the _____ of the employee. (a) Health (b) Morale (c) Productivity (d) Engagement	1
vi.	In fire classification, material wood, cloth, and paper comes under _____. (a) Class A material (b) Class B material (c) Class C material (d) Class D material	1

Q. 4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Which of the following is NOT a DBMS? (a) MS Access (b) Open Office Base (c) MS Excel (d) MySQL	1
ii.	Which of the following is NOT a type of text data type? (a) Memo (b) Varchar (c) Float (d) Char	1
iii.	Which of the following is not the correct file extension for an image file? (a) GIF (b) JPEG (c) Odt (d) PNG	1
iv.	Which of the following menus contains the Relationship option? (a) Edit (b) File (c) Tools (d) View	1
v.	Which is the default option in libre office base to maintain referential integrity ? (a) No action (b) Update Cascade (c) set default (d) Set Null	1
vi.	Which type of relationship exists between a student and the subjects studied by him/her? (a) One-to-one (b) One-to-many (c) many-to-many (d) All of the above	1

Q. 5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Into how many parts is the query window divided? (a) One (b) four (c) two (d) three	1
ii.	Which of the following dialog boxes appears when the Query Design window is opened for the first time to design a query? (a) Add Table (b) Add Query (c) Add Query or Report (d) Add Table or Query	1
iii.	What feature in LibreOffice Base allows users to present retrieved data in a user-friendly and formatted manner? (a) Query (b)Form (c)Report (d)Data view	1
iv	Which of the following operations cannot be performed using LibreOffice Calc? (a) Store and manipulate data b) Create graphical representation of data (c) Analysis of data (d) Mail merge	1
v.	Which of the following can lead to musculoskeletal problems while working on a computer? (a) Using anti glare screen (b) Sitting in a wrong posture and using an uncomfortable chair (c) Using Air Conditioners (d)Taking frequent breaks	1
vi.	is a serious or crisis situation that needs immediate attention and action. (a) Accident (b) Evacuation (c) Hazard (d) Emergency	1

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.

Q. 6	What do you understand by organizational barriers in communication? Give two examples.	2
Q. 7	Explain the term sustainable development.	2
Q. 8	Rahul frequently experiences slow performance on his computer when working with large spreadsheets and multiple applications. He notices that the system freezes and lags, especially when switching between programs. What should Rahul do to improve his computer's performance in handling large spreadsheets and multitasking?	2
Q. 9	How can you manage emotional intelligence?	2
Q. 10	How can individuals contribute to a sustainable future?	2

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

Q. 11	Write advantage of using Style over manual formatting for designing a document?	2
Q. 12	List and explain two common safety hazards in a workplace.	2
Q. 13	What is use of What-if Scenarios?	2
Q. 14	How do Merging and Comparing Spreadsheets differ in Calc?	2
Q. 15	Describe referential Integrity.	2
Q. 16	What causes eye strain and how to avoid it?	2

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

Q. 17	Imagine you are a student organizing a fundraising event for your school club. You have a spreadsheet in LibreOffice Calc that lists donations from different sponsors. Each sponsor has contributed multiple times, and you need to summarize the amount donated by each sponsor. a. Which tool in Calc can be used to create the group automatically? b.. Which functions can be applied to the grouped data? c. Which menu option is used to apply this Tool? d. What is purpose of (-)or (+) signs on grouped data?	4
Q. 18	A Class X student is participating in a school competition where they need to analyse the performance of different sports teams based on match scores and statistics. The student has collected data over several matches and needs to calculate averages, determine rankings, and generate charts for a presentation. a) How are Macros in Calc helpful to him? b) How to enable Macro in Calc? c) Is solution*word a valid macro name? Justify d) Mention any one operation which cannot be recorded by macro.	4
Q. 19	What are Data Models? Explain different types of Data models.	4
Q. 20	Imagine you are a safety officer overseeing electrical maintenance work at a manufacturing plant. To spread the awareness among your team you have to conduct training on safety measures. List out electrical rescue techniques which you will discuss with them.	4
Q. 21	What are the different data types available in libre office base? Explain anyone of the data type.	4

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PRACTICE PAPER 2

Class X

Subject – I.T(402)

SECTION A: OBJECTIVE TYPE QUESTIONS

Q. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)	
i.	Trisha is always tense during exam time. She is a sincere and studious student, but the thought of exams creates anxiety in her. Which stress management technique that you would suggest to help her? a) Yoga b) Exercise c) Vacation with Family d) All of these	1
ii.	Yogi lives at a hostel in Shimla. He calls his mother who lives in Delhi, to get her approval for the robotics class which is going to start in his school next week onwards. However, due to disruption in the phone line, his mother could not understand and reply to him. He got very upset. Which another medium can he use to get immediate approval of his mother? a) E-mail b) Letter c) Message through Friend d) Telegram	1
iii.	Neelam raised her hand to greet her daughter coming from distance. What type of non-verbal communication is this? a) Gesture b) Expression c) Body language d) Eye movement	1
iv.	Entrepreneurship has a crucial role in the _____ of the society. a) Evolution b) Planning c) Functioning d) None of these	1
v.	_____ organization is responsible for implementing SDGs across the world. a) UN b) UNESCO c) UNDP d) WHO	1
vi.	Which term refers to our knowledge and understanding of ourselves? a) Motivation b) both a and b c) Self-Awareness d) Self-Regulation	1

Q. 2	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i	A character style impacts _____ a) whole paragraph b) current page c) cell d) selected characters	1
ii	Which of the following buttons, in the template dialog box, will be clicked to save a template displayed in the list of templates. a) Export b) Import c) Move d) None of the above	1

iii	A document -template is a _____ document containing formatting features like styles, headers , macros etc on which other documents can be created a) blueprint b) header c) report d) database	1
iv	The list containing all the chapters /sections/titles along with their page numbers is known as _____ a) Page List b) data table c) Table of Contents d) Mail Merge	1
v	_____ option of the word processor will be used to remove the unwanted area of the image. a) Transparency b) Fill c) Filters d) Crop	1
vi	Identify the command used to create a table of contents in Open Office Writer: a) File-New-TOC b) Insert-Indexes and Tables-Entry c) Insert-TOC d) File-Create-TOC	1

Q. 3	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i	_____ is not considered a property of a drawing object. a) Brightness b)Color c) Weight d) Width	1
ii	You can run/ create macros in Calc using _____ menu. a) Tools b) Insert c) Data d) Format	1
iii	By default there are _____ sheets in Calc file a) 3 b) 5 c) 1 d) 2	1
iv	Find the odd one out : a) Solver b) Scenarios c) Goal Seek d) TOC	1
v	The intersection point between a row and column is called _____. a) Row b) Column c) Table d) Cell .	1
vi	Sonia scored 25 out of 30 in English, 22 out of 30 in Maths. She wants to calculate the score in IT ,she needs to achieve 85 percent in aggregate. Suggest her the suitable option out of the following to do so. a) Solver b) Macro c) Goal Seek d) Sub Total	1

Q. 4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i	A(n) _____ is an unexpected event with negative consequences occurring without the intention. a) accident b) emergency c) fall d) hazard	1
ii	A company should have atleast _____ exit routes for proper evacuation during the emergency. a) two b) one c) three d) Color Mode	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills in 20 – 30 words. (2x3=6 marks)

Q. 6	How can a person overcome environmental or physical barriers to communication?	2
Q. 7	Mention any two misconceptions about the Entrepreneurship	2
Q. 8	Compare Self-Employment and Wage Employment.	2
Q. 9	What are the major problems related to sustainable development concerning food and water?	2
Q. 10	Very often we hear about Spam mails. Explain what are spam mails and what should be done with such mails.	2

Answer any 4 out of the given 6 questions in 20 – 30 words each (2x4=8 marks)

Q. 11	Write two ways of renaming worksheets.	2
Q. 12	What do you mean by Custom Style?	2
Q. 13	Explain Track changes feature.	2
Q. 14	Write the difference between Data and Information.	2
Q. 15	How does a DBMS ensure the security of data?	2
Q. 16	What is the difference between Dynamic and static report?	2

Answer any 3 out of the given 5 questions in 50– 80 words each (4x3=12 marks)

Q. 17	Ria is preparing notes for her upcoming exams . Help her to write the correct answer of the following: a) Goal Seek b) Relative link c) Macro d) Absolute link	4
Q. 18	What are the three rules to be followed while naming a macro?	4
Q. 19	While inspecting a machine, Rohan notices a colleague stuck to a live wire. What steps should Rohan follow to safely rescue the victim?	4
Q. 20	Define the terms : a)Data type , b) Attributes , c)Primary key , d)foreign key	4

Q. 21

Answer the following questions on the basis of following questions:

Product_id	Product_name	Price	Qty
101	Guitar	480	8
102	Mouse	350	6
103	Keyboard	200	4

i.

Identify the primary key.

1

ii.

Name the fields given in the table.

1

iii.

How many fields and records does the table have?

1

iv.

Identify the data type for product name and price.

1