

SAMPLE PAPER-6 (Solved)

(Based on the latest CBSE Sample Paper)

Time : 2 Hours

Maximum 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 part/section must be attempted in the correct order.
6. SECTION A – OBJECTIVE TYPE QUESTIONS (24 MARKS):
 - (i) Each question carries 1 mark.
 - (ii) There is no negative marking.
7. SECTION B – SUBJECTIVE TYPE QUESTIONS (26 MARKS):
 - (i) This section has 16 questions in three parts viz. Part A, Part B and 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. ($2 \times 3 = 6$ 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. ($2 \times 4 = 8$ 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. ($4 \times 3 = 12$ Marks).

SECTION A : OBJECTIVE TYPE QUESTIONS

1. Answer any 4 out of the given 6 questions (1 × 4 = 4 marks)
 - (i) Constructing effective sentences and paragraphs, keeping unity, coherence and the emphasis of the message in mind helps in:
(a) Clarity of message (b) Compactness of message
(c) Courtesy of message (d) None of these
Ans. (a) Clarity of message [1]
 - (ii) Your ability to identify effective methods of getting yourself to move from thought to action is your: [1]
(a) Self-regulation (b) Self-motivation (c) Self-dedication (d) None of these
Ans. (b) Self-motivation
 - (iii) Taking time out for _____ too helps in reducing your stress level. [1]
(a) Self-awareness (b) Mental capacity (c) Nature walk (d) None of these
Ans. (c) Nature walk
 - (iv) The concept of sustainable development was popularised in the year _____. [1]
(a) 1987 (b) 1988 (c) 1989 (d) 1986
Ans. (a) 1987
 - (v) A compound sentence consists of two or more independent clauses joined together by _____ [1]
(a) Adverb (b) Conjunctions (c) Preposition (d) None of these
Ans. (b) Conjunctions

(vi) Entrepreneur is regarded as _____. He has to take many decisions to put his business idea into reality. [1]
(a) Innovative (b) Decision-maker (c) Goal-oriented (d) None of these

Ans. (b) Decision-maker

2. Answer any 5 of the given 6 questions (1 × 5 = 5 marks)

(i) _____ refers to the amount of data that a signal can carry. [1]
(a) Electricity (b) Broadband (c) Bandwidth (d) None of these

Ans. (c) Bandwidth

(ii) A _____ is attached to one or more networks to forward packets from one network to another. [1]
(a) Repeater (b) Bridge (c) Router (d) None of these

Ans. (c) Router

(iii) In a _____ topology, one long cable acts as a backbone to link all the computers in a network. [1]
(a) Bus (b) Star (c) Mesh (d) Antivirus

Ans. (a) Bus

(iv) _____ fire extinguishers extinguish the fire by taking the heat element away from the fire. [1]
(a) Carbon dioxide (b) Water and foam (c) Sand (d) None of these

Ans. (b) Water and foam

(v) For audio and video conferencing, you should have _____. [1]
(a) Microphones, headsets (b) Speakers and web cameras
(c) Both (a) and (b) (d) None of these

Ans. (c) Both (a) and (b)

(vi) Do not use the elevator in times of fire in the building. Always use _____ for such emergencies. [1]
(a) Office space (b) Washroom (c) Staircase (d) None of these

Ans. (c) Staircase

3. Answer any 5 of the given 6 questions (1 × 5 = 5 marks)

(i) What dialog box opens on choosing File > Templates > Manage Templates in Writer? [1]
(a) The File dialog box (b) The Manage Templates dialog box
(c) The Templates dialog box (d) None of these

Ans. (c) The Templates dialog box

(ii) The two insert modes of Writer are: [1]
(a) Insert and Overwrite (b) Insert and Overlook
(c) Delete and Write (d) None of these

Ans. (a) Insert and Overwrite

(iii) _____ of drawing objects makes it easier to handle several objects as a single entity, while preserving their relative sizes and positions. [1]
(a) Arranging (b) Shifting (c) Grouping (d) None of these

Ans. (c) Grouping

(iv) What happens to the text when the user applies LowerCase onto the text? [1]
(a) Reverses the case of each letter in the selection.
(b) Every word starts with a capital letter. (c) All letters are in small letter.
(d) The first letter of the sentence is in Capitals as also are the proper nouns.

Ans. (c) All letters are in small letter

(v) What is the keyboard shortcut to Cut the text in Writer? [1]
(a) Ctrl + C (b) Ctrl + V (c) Ctrl + X (d) Ctrl + P

Ans. (c) Ctrl + X

(vi) Which of the following will show up the non-printing characters in a Writer document? [1]
(a) View > Formatting Marks (b) Ctrl + F10
(c) Both of (a) and (b) (d) None of these

Ans. (c) Both of (a) and (b)

4. Answer any 5 of the given 6 questions

(1 × 5 = 5 marks)

(i) Calc considers any data that it does not recognise as a number, date, time or formula, as: [1]

(a) Expression (b) Equation (c) Text (d) None of these

Ans. (c) text

(ii) Tools > Solver amounts to a more elaborate form of _____ [1]

(a) Goal Seek (b) Macro (c) Subtotal (d) None of these

Ans. (a) Goal Seek

(iii) What is the maximum number of columns a Calc spreadsheet can have? [1]

(a) 1,048,576 (b) 1024 (c) 1000 (d) None of these

Ans. (b) 1024

(iv) _____ are pre-defined formulas in Calc. [1]

(a) Functions (b) Autofill (c) Solver (d) None of these

Ans. (a) Functions

(v) Which of the following is a valid way to add a sheet to the Calc file? [1]

(a) Click on Add sheet button (b) Select Insert > Sheet from the menu bar.
(c) Both of these (d) None of these

Ans. (c) Both of these

(vi) Select _____ > Track changes > Record from the menu bar. Thereafter, every change you record on the spreadsheet will have a red border around it. [1]

(a) File (b) Edit (c) Format (d) None of these

Ans. (b) Edit

5. Answer any 5 of the given 6 questions

(1 × 5 = 5 marks)

(i) Which form of DBMS is available due to E.F. Codd of IBM? [1]

(a) Codd DBMS (b) RDBMS (c) Simple DBMS (d) None of these

Ans. (b) RDBMS

(ii) Which of the following is the name of a view in which a query can be created? [1]

(a) Design view (b) Layout view (c) Arrange view (d) None of these

Ans. (a) Design view

(iii) 1:1, 1:n and n:1 are examples of different types of _____. [1]

(a) Relations (b) Databases (c) Data (d) None of these

Ans. (a) Relations

(iv) How much space does the DATE/TIME data type hold in Base? [1]

(a) 2 bytes (b) 4 bytes (c) 8 bytes (d) 10 bytes

Ans. (c) 8 bytes

(v) What is output by the SQL query: SELECT 4 * 4? [1]

(a) 2 (b) 4 (c) 8 (d) 16

Ans. (d) 16

- (vi) _____ are the ways to produce the data stored in databases and tables in a printed form. [1]
- (a) Forms (b) Queries (c) Reports (d) None of these

Ans. (c) Reports

SECTION B : SUBJECTIVE TYPE QUESTIONS

Part A : Short Answer Type Questions On Employability Skills

Answer any 3 of the given 5 questions

(2 × 3 = 6 marks)

6. What is descriptive feedback? .

Ans. Descriptive feedback merely identifies or describes one's action – good or 'not-so-good'. For example, your teacher may say that "your communicating style is good," or "your verbal communication and non-verbal communication are incongruent or not-so-good." [2]

7. Explain any two disadvantages with entrepreneurship as a career.

Ans. Any two disadvantages with entrepreneurship as a career are as follows: [2]

(i) **Uncertain Income:** No fixed and regular income is available to an entrepreneur. During the startup stage it may be difficult even to meet household expenses.

(ii) **Problem of Finance:** Raising the necessary funds is very difficult for a first generation entrepreneur.

8. What is self-awareness?

Ans. Self-awareness refers to your knowledge and understanding of yourself – your emotions, beliefs, values, biases, knowledge base, abilities, motivations, interests, etc. [2]

Your self-awareness includes recognition of your own personality, your strengths and weaknesses, your likes and dislikes. It makes you conscious of your own moods, emotions and drives.

9. Explain any one natural threat to the computer system.

Ans. Any one natural threat to the computer system is fire. Since computer machinery is made up of delicate components, irreparable damage may be caused due to exposure to fire of the computer. The hard disk data may be erased permanently if exposed to such heat. If the temperature around the computer is high, we must wait for the temperature to return to normal and then start the computer. [2]

10. State any two long-term solutions of the government for sustainable development.

Ans. (i) Governments must take recourse to legal framework and policy-making to stop illegal activities which are not environment-friendly. [2]

(ii) Awareness and responsibility campaigns intended for farmers and industrialists should be launched.

PART B : Short Answer Type Questions On Subject Specific Skills

Answer any 4 of the given 6 questions

(2 × 4 = 8 marks)

11. What are the rules to be followed while naming macros in Calc?

Ans. Following are the rules. [2]

(i) Begin with a letter.

(ii) Not contain spaces.

(iii) Not contain special characters, accents included, except for _ (underscore).

12. What are the steps required to group drawing objects in a document?

Ans. Follow these steps. [2]

(a) Select one object, then hold down the Shift key and select the others you want to include in the group. The bounding box expands to include all the selected objects.

(b) With the objects selected, hover the mouse pointer over one of the objects and choose **Format > Group > Group** from the Menu bar or right-click and choose **Group** from the context menu.

13. How do you create subtotals using the Data menu? [2]
Ans. You may create subtotals using **Data>Subtotals** from the menu bar which opens the subtotals dialog box. Subtotal creates totals for data arranged in an array that is a group of cells with labels for columns. Using the subtotals dialog box, you can select up to three arrays, the choose a statistical function to apply to them.

14. Explain what type of accident is a muscle strain. [2]
Ans. Muscle strains occur with the person who:
(i) Regularly lifts heavy items at workplace.
(ii) Continuously work on the computer system with incorrect body posture.
These injuries can be avoided easily by some basic training on proper lifting techniques and maintaining a correct posture while working on a computer system.

15. How do you partially delete records of a database using a form? [2]
Ans. To partially delete record from the table using a form, follow the given steps:
(i) Choose the record to delete by clicking on the **Next** or **Previous** buttons.
(ii) Delete all the field values as visible above. Save the form. Close the form.
The form gives error that the primary key cannot be deleted. Roll Number here is the primary key. So, the Roll Number is kept intact. The Name and Marks Total is deleted.

16. Define the following Terms: [2]
(a) WIMAX (b) Wi-Fi hotspot
Ans. (a) WiMax stands for Worldwide Interoperability for Microwave Access. It is a wireless communications standard to provide mobile broadband connectivity through a variety of devices. It can provide wireless access covering many kilometres.
(b) A hotspot is a venue that provides Wi-Fi access. Users can use a Wi-Fi phone or other portable device to access the Internet through a Wi-Fi hotspot. Hotspots may be with free or fee-based wireless Internet access. You can use your Wi-Fi hotspot on your mobile phone to use the Internet or transfer the data.

PART C : Descriptive/ Long Answer Type Question On Subject Specific Skills

Answer any 3 of the given 5 questions

(4 × 3 = 12 marks)

17. Write the steps to apply styles onto the document. [4]

Ans. The steps to apply styles onto the document are as follows:
(i) Open the **Tools > Customize** option from an OpenWriter document. The Customize dialog box appears.
(ii) Choose whether to have the shortcut key assignment available to all the components of LibreOffice or only in Writer.
(iii) Select the desired shortcut key in the Shortcut Keys list at the top of the page.
(iv) Select the required function from the **Category** and **Function** lists.
(v) Click on the **Modify** button. The selection now appears in the Keys list on the lower right.
(vi) Click on **OK** to accept the change.

18. Explain the three types of network. [4]

Ans. There are mainly three types of networks as listed below:
(i) Local Area Network (LAN)
(ii) Wide Area Network (WAN)
(iii) Metropolitan Area Network (MAN)

Local Area Network: A Local Area Network is the one which connects computers and devices in a limited geographical area such as home, school, office or any closely placed group of buildings. It provides very high speed. Usually, LANs are used for connecting computers and peripherals such as printers, scanners, etc.

Wide Area Network: A Wide Area Network is one which covers a broad area. It consists of two or more local area networks. A WAN is used by government organizations and businesses.

Metropolitan Area Network: A MAN is a computer network in which two or more computers which are geographically distributed but in the same metropolitan city. Its geographic scope falls between a WAN and LAN.

19. Give any two reasons that DBMS is preferred? [4]

- Ans. (i) **Sharing of data:** Different users can use the same database to access the data according to their needs.
 (ii) **Data redundancy:** Data redundancy means duplication of data. It avoids duplication of data and ensures that there is only one instance of certain data.

20. What is relative reference? Write the steps to apply relative reference onto the cells. [4]

Ans. Relative cell reference can be explained in terms of the position of a formula relative to the cells. So, when you copy or move a formula, then the referenced cell(s) automatically get(s) changed. For example, if the formula in cell in D3 is = B3 * C3 and when you copy the formula from D3 to D6, Calc automatically changes the reference to match the locations of cells, i.e. = B4 * C4, B5 * C5 and so on. To use relative cell reference, follow the given steps:

1. Select the cell in which you have written a formula.
2. Take the cursor to the right corner of the cell. The AutoFill handle symbol will appear.
3. Drag the Auto Fill handle over the cells to copy the formula.
4. Release the mouse. The formula will be copied to the selected cells with relative references and values will be calculated accordingly.

21. Create the following table Employee_records. [4]

Column name	Data type	Size	Constraint
Employee ID	Varchar		Primary key
Name	Varchar	30	
Salary	Double	4	
Designation	Varchar	20	

Consider the following table Employee_records and write the queries (i) and (ii).

Table: Employee_records

Employee ID	Name	Salary	Designation
A24092	Jiten Kapoor	20000	Software head
A24094	Anil Kumar	23500	Accounts head
B32112	Kasif Ahmed	18700	Software Engg
B33109	Dhruv Sahu	17000	Quality Assurance

(i) Write a command to insert a new record with the following values: ('B4431', 'Anil Kukreja', 17300, 'Accounts Person')

(ii) Write a query to display all the records of table whose Salary is more than 18000.

OR

Write a query to update the Salary: '20000' as '22000'. Also, write a query to delete the 4th record of the table.

- Ans. (i) Insert into Employee_records Values ('B4431', 'Anil Kukreja', 17300, 'Accounts Person');
 (ii) Select * from Employee_records Where Salary > 18000;

OR

Update Employee_records SET Salary = 22000 WHERE Salary = 20000;

Delete * From Employee_records WHERE EmployeeID = 'B33109';

