

# SAMPLE PAPER-10 (Solved)

(Based on the latest CBSE Sample Paper)

Maximum Marks : 50

Time : 2 Hours

## 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) Rahul is a student and during the learning process he came across the word called 'Chronemics'. Tell him the meaning of the same word. [1]
- (a) It refer to the use of colours and the meanings they convey.
  - (b) It refers to the use of time in a disciplined manner.
  - (c) It refers to how we use physical space in our day-to-day interaction with others.
  - (d) None of these

Ans. (b) It refers to the use of time in a disciplined manner.

(ii) Good stress is known as \_\_\_\_\_.

[1]

- (a) Prestress
- (b) Eustress
- (c) Distress
- (d) None of these

Ans. (b) Eustress

(iii) \_\_\_\_\_ will help you identify your skill set, interests, career path, and key motivators. [1]

- (a) Self-awareness
- (b) Self-motivation
- (c) Self-regulation
- (d) All of these

Ans. (d) All of these

(iv) The most pressing environmental problems are associated with resources that are renewable such as \_\_\_\_\_.

[1]

- (a) Air
- (b) Water
- (c) Both of these
- (d) None of these

Ans. (c) Both of these

(v) You can move a folder by using \_\_\_\_\_ [1]  
Ans. (a) Copy and Paste (b) Cut and Paste (c) Copy and Cut (d) None of these

(vi) Entrepreneurship has a crucial role in the \_\_\_\_\_ of the society. [1]  
Ans. (a) Evolution (b) Planning (c) Functioning (d) None of these

2. Answer any 5 of the given 6 questions

(i) A set of rules used for communication is called \_\_\_\_\_ (1 × 5 = 5 marks) [1]  
Ans. (a) Protocol (b) Internet (c) Network (d) None of these

(ii) Which of the following falls in the category of emergency? [1]  
Ans. (a) Earthquake (b) Tornadoes (c) Fall (d) Both (a) and (b)

(iii) To defragment the disk, click on the Start → All Programs → Accessories → \_\_\_\_\_ [1]  
→ Disk Defragmenter.  
Ans. (a) System Programs (b) Control Panel (c) System Tools (d) None of these

(iv) Do not type in \_\_\_\_\_ while chatting. [1]  
Ans. (a) Uppercase (b) Lowercase (c) Sentence-case (d) None of these

(v) An \_\_\_\_\_ at workplace is a physical or mental injury following an incident or exposure. [1]  
Ans. (a) Evacuation routes and exits (b) Accident (c) Emergency (d) None of these

(vi) A \_\_\_\_\_ is a computer network in which two or more computers which are geographically distributed but in the same metropolitan city. [1]  
Ans. (a) LAN (b) MAN (c) WAN (d) None of these

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

(i) Which key is used to delete a selected image in a word processor? [1]  
Ans. (a) Enter key (b) Backspace key (c) Shift key (d) All of these

(ii) A \_\_\_\_\_ is a document model that you use to create other documents. [1]  
Ans. (a) Anchoring (b) Alignment (c) Template (d) None of these

(iii) The intersection point between a row and column is called \_\_\_\_\_ [1]  
Ans. (a) Row (b) Column (c) Table (d) Cell

(iv) Deepika wants to invite 10 friends to her birthday party. Which feature of a word processor will allow her to send the invitation once at the same time to all of her friends? [1]  
Ans. (a) Mail Merge (b) Header (c) Template (d) Alignment

- (v) \_\_\_\_\_ controls how images are stacked upon each other or relative to the text. [1]  
(a) Arrangement (b) Alignment (c) Anchoring (d) None of these

Ans. (a) Arrangement

- (vi) \_\_\_\_\_ refers to the relation of images to the surrounding text, which may wrap around the graphic on one or both sides, be overprinted behind or in front of the graphic, or treat the graphic as a separate paragraph or character. [1]  
(a) Word wrapping (b) Image wrapping (c) Text wrapping (d) None of these

Ans. (c) Text wrapping

4. Answer any 5 of the given 6 questions

(1 × 5 = 5 marks)

- (i) To write a mathematical expression, choose the Equation option from the \_\_\_\_\_ tab in a Spreadsheet. [1]

(a) Home (b) Insert (c) Data (d) Review

Ans. (b) Insert

- (ii) Clicking on Insert > Comment allows to \_\_\_\_\_. [1]  
(a) Add a comment (b) Edit a comment (c) Delete a comment (d) None of these

Ans. (a) Add a comment

- (iii) When a document is created and saved, it automatically contains a library named \_\_\_\_\_ in a spreadsheet program. [1]

(a) First (b) Standard (c) Macro (d) None of these

Ans. (b) Standard

- (iv) What is the most basic tool to solve "what-if" scenarios in Calc? [1]  
(a) Solver (b) Goal Seek (c) Subtotal (d) None of these

Ans. (b) Goal Seek

- (v) In the \_\_\_\_\_ tool, you may maximise, minimise or keep equal to a value. [1]  
(a) Subtotal (b) Scenario (c) Goal Seek (d) Solver

Ans. (d) Solver

- (vi) Which sequence of menu items and commands lets you share a document? [1]  
(a) Tools > Share spreadsheet (b) Edit > Share  
(c) Tools > Share (d) None of these

Ans. (a) Tools > Share spreadsheet

5. Answer any 5 of the given 6 questions

(1 × 5 = 5 marks)

- (i) Processed data is \_\_\_\_\_. [1]  
(a) information (b) Datum (c) record (d) None of these

Ans. (a) information

- (ii) RDBMS stands for \_\_\_\_\_. [1]  
(a) Rational Database Management System (b) Relational Database Management System  
(c) Redundant Database Management System (d) None of these

Ans. (b) Relational Database Management System

- (iii) Write down a query to find all tuples of a table ABC with name field as "AMIT". [1]

(a) SELECT ? FROM ABC WHERE name = "AMIT"

(b) SELECT \* FROM ABC WHERE name = "AMIT"

(c) SELECT \*\* FROM ABC WHERE name = "AMIT"

(d) SELECT & FROM ABC WHERE name = "AMIT"

Ans. (b) SELECT \* FROM ABC WHERE name = "AMIT"

- (iv) In a database, data is stored in the form of \_\_\_\_\_ [1]  
 (a) Tables (b) Rows (c) Columns (d) None of these
- Ans. (a) Tables
- (v) The primary key can never be \_\_\_\_\_ in a table. [1]  
 (a) NULL (b) Duplicate (c) Both a. and b. (d) None of these
- Ans. (a) NULL
- (vi) How much space does the Double data type hold in Base? [1]  
 (a) 4 bytes (b) 8 bytes (c) 6 bytes (d) None of these
- Ans. (b) 8 bytes

**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) [2]

6. Explain any four components of communication cycle.

- Ans. Any four components of Communication cycle are:
- (i) **Sender (source):** Also known as the 'source'. He/she is the person who wants to send the information.
  - (ii) **Idea:** The information or ideas the source/sender wants to share with the receiver (also known as 'target').
  - (iii) **Message:** This is the actual piece of information that is intended to be sent from the source/sender to the target/receiver.
  - (iv) **Encoding:** Here, the source/sender selects a common language that can be understood by the target/ receiver and encodes (converts into mutually understandable language) the information.

7. Explain the disadvantages of an entrepreneur. [2]

- Ans. Two of the disadvantages of entrepreneurship as a career are:
- (i) **Risk:** Entrepreneurship involves considerable risk of loss. Failure can wipe away all the personal savings and lead to considerable debt-burden.
  - (ii) **Hard Work:** An entrepreneur has to work very hard to make the new business successful. His work schedule is unpredictable and he has to work late hours. Spouse and children may have to suffer due to his very busy work schedule.

8. What is self-motivation and self-awareness? [2]

Ans. Self-motivation refers to your ability to identify effective methods of getting yourself to move from thought to action. Every human being is different. Some individuals are highly self-motivated while others require the imposition of external deadlines or some type of reward or penalty in order to move from thought to action. Identifying your specific needs in this area is the first step. Self-awareness refers to your knowledge and understanding of yourself – your emotions, beliefs, values, biases, knowledge base, abilities, motivations, interests, etc. 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. How do you delete a file using Windows Explorer? [2]

- Ans. To delete a file/folder by using Windows Explorer, follow the given steps:
- (i) Select the file/folder which is to be deleted.
  - (ii) Click on the **Organize** button. A drop-down list of options appears.
  - (iii) Click on the **Delete** option. The **Delete File/Folder** dialog box will appear.
  - (iv) Press **Enter** or click on the **Yes** button to delete the file or folder or **No** to cancel the task.

10. Mention any four main principles of sustainable development.

Ans. Main principles of sustainable development are:

- (i) Respect and care for all forms of life.
- (ii) Improving the quality of human life.
- (iii) Minimising the depletion of natural resources.
- (iv) Conserving the earth's vitality and diversity.

### PART B : Short Answer Type Questions On Subject Specific Skills

Answer any 4 of the given 6 questions

(2 × 4 = 8 marks)

11. How do you move a table from one place to another in a document?

Ans. To move a table from one part of a document to another part:

- (i) Click anywhere in the table.
- (ii) From the Menu bar, choose **Table > Select > Table**.
- (iii) Press **Ctrl+ X** or click on the **Cut** icon in the Standard tool bar.
- (iv) Move the cursor to the target position and click to fix the insertion point.
- (v) Press **Ctrl+V** or click on the **Paste** icon in the Standard toolbar.

12. How do you view your changes on a spreadsheet?

Ans. You have some control over what changes you see when reviewing a document. Select **Edit > Track changes > Record** from the menu bar. Therefore, every change you record on the spreadsheet will have a red border around it. If you want to turn off the track changes that are taking place, you have to again click on **Edit > Track changes > Record** one more time. The tracking of changes will stop.

13. How do you change the default name of a sheet tab in a worksheet?

Ans. To change the default name for a sheet (Sheet1, Sheet2, and so on):

- (i) Right-click on the sheet tab and select **Rename Sheet** from the context menu. A dialog opens allowing you to type in a new name for the sheet.
- (ii) Click on **OK** when finished to close the dialog box.

14. What is cable modem and DSL?

Ans. **Cable Modem:** It is a type of broadband connection that uses the cable television infrastructure. This is fast but not available in all areas.

**Digital Subscriber Line (DSL):** This type of connection uses your existing phone line. The data is transmitted over wires of a local telephone line. To use DSL connection, you need a DSL modem and a subscription.

15. What is RDBMS?

Ans. RDBMS stands for Relational Database Management System. This name is used for databases that are developed by using the relational database model as prescribed by E.F. Codd, of IBM's San Jose Research laboratory. Most popular database systems in use are RDBMS-es.

RDBMS store the data as collection of tables, which might be related by common fields (database table columns). RDBMS also provide relational operators to manipulate the data stored in the database tables. Most RDBMS use SQL as database query language. The most popular RDBMS are MS SQL Server, DB2, Oracle, MS Access and MySQL.

16. Explain the architecture on the basis of which network is developed.

Ans. Networks are designed using the following architectures:

- (i) **Peer-to-Peer (P2P):** In this type of network, all the computers have an equal status or position. There is no distinction between client and server computer. All computers are responsible for exchanging/receiving data from one another.

- (ii) **Client-Server:** In a client-server system, some computers have special dedicated tasks providing services to other computers. A computer which is responsible for providing services to others is called server and the computers that use these services are called clients.

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

(4 × 3 = 12 marks)

Answer any 3 of the given 5 questions

17. What are the points that an emergency action plan must include? [4]

Ans. An emergency action plan must include the following:

- (i) A preferred method for reporting fires and other emergencies like audible or visual alarm;
- (ii) An evacuation policy and procedure;
- (iii) Emergency escape procedures and route assignments, such as floor plans, workplace maps, and safe or refuge areas;
- (iv) Names, titles, departments, and telephone numbers of individuals both within and outside your company to contact for additional information or explanation of duties and responsibilities under the emergency plan;
- (v) Procedures for employees who remain to perform or shut down critical plant operations, operate fire extinguishers, or perform other essential services that cannot be shut down for every emergency alarm before evacuating; and
- (vi) Rescue and medical duties for any workers designated to perform them.
- (vii) Designating an assembly location and procedures to account for all employees after an evacuation.

18. Write the use of the following terms: [4]

- (a) Formula bar (b) Sheet tab  
(c) Active cell (d) Name box

Ans. (a) The Formula Bar is located at the top of the sheet in your Calc workspace. The Formula Bar is permanently docked in its position and cannot be used as a floating toolbar. If the formula bar is not visible, go to View > Formula Bar on the main menu bar.

(b) In Calc, you can have more than one sheet in a spreadsheet. At the bottom of the grid of cells in a spreadsheet are sheet tabs indicating how many sheets there are in your spreadsheet. Clicking on a tab enables access to each individual sheet and displays that sheet.

(c) Active cell is the cell in the spreadsheet with a dark boundary. You can type in into only this cell. In order to type in data in a cell, you must make that cell active by clicking on it and typing in the data.

(d) Name Box gives the cell reference using a combination of a letter and number, for example AI. The letter indicates the column and the number indicates the row of the selected cell. [4]

19. What are the field properties of a table available in Base? [4]

Ans. In the Design view of a table you may see the format of table and individual properties for each of the fields of the table also. Following are the field properties available in Base:

- (i) **Entry Required:** The value of this property can be yes or No, if entry required is yes, the field cannot be absent i.e, should be necessarily present with a value.
- (ii) **Length:** It designates the length of the value of the field. It is the maximum length each of the fields can hold.
- (iii) **Default value:** It designates the assumed value for the field, if it is not provided by the user input.
- (iv) **Format example:** To set the field format of that field. It is used to reset the category, format, language and alignment of that particular field.

20. What is Fill Format Mode? Write the steps to apply it on the text in a document.

Ans. Fill Format mode to apply a style to many areas quickly without having to go back to the Styles deck and double-click each time. This method is useful for formatting scattered paragraphs, words or other items with the same style, and it may be easier to use than making multiple selections first and then applying a style to all of them.

Follow these steps to apply fill format mode:

- (i) Open the **Styles deck** and select a style.
- (ii) Click on the **Fill Format Mode** icon.
- (iii) To apply a paragraph, page, or frame style, hover the mouse over the paragraph, page, or frame and click. To apply a character style, hold down the mouse button while selecting the characters. Clicking on a word applies the character style to that word.
- (iv) Repeat step 3 until you have made all the changes for that style.
- (v) To quit **Fill Format Mode**, click on the icon again or press the **Esc** key.

21. Create the following table *Cricket\_Items*.

Column name	Data type	Size constraint
ItemID	Varchar	5
Name	Varchar	6
Price	Integer	5
PerPlayer	Integer	3

Consider the following table *Cricket\_items* and write the queries (i) and (ii).

Table: *Cricket\_items*

ItemID	Name	Price	PerPlayer
221	Helmet	2200	1
311	Bat	1200	1
113	Ball	700	1
223	Pads	800	1

- (i) Write a command to insert a new record with the following values: (332, 'Gloves', 600,1).
- (ii) Write a query to display all the records of table *Cricket\_items* whose price is more than 1000.

OR

Write a query to update the Price of Item 'Ball' to 680. Also, write a query to delete the 2<sup>nd</sup> record of the table.

- Ans. (i) Insert into *Cricket\_items* Values ('332', 'Gloves', 600, 1);  
 (ii) Select \* from *Cricket\_items* Where Price > 1000;

OR

Update *Cricket\_items* SET Price = 680 Where Name = 'Ball';  
 Delete \* From *Cricket\_items* Where ItemID = '311';

