Subject: Information Technology
X-CBSE
Sample Paper

Time 2hrs.   M.M. -50

SECTION A: OBJECTIVE TYPE QUESTIONS

1. Answer any 4 out of the given 6 questions on Employability Skills. (1 × 4 = 4 Marks)

(i) A student completes his work only when his parents remind him and force him to do so. The student lacks

(a) Self-discipline   (b) Self-awareness   (c) Self-motivation   (d) Self-regulation

(ii) Which of these are stress management techniques?

(a) Exercise   (b) Yoga   (c) Meditation   (d) All of these

(iii) Programs like .... and................offer real-time security and monitor your computer for any changes made by malware software.

(a) Cookies   (b) Antispyware   (c) Antivirus   (d) Both (b) and (c)

(iv) ....is an important function of Entrepreneur.

(a) Decision-making   (b) Drawing Salary   (c) Creating Jobs and Employment Opportunities   (d) Both (a) and (b)

(v) Backspace key is used to remove typed text on the............................ _ide of the cursor.

(a) Physical   (b) Right   (c) Both (a) and (b)   (d) None of these

(vi) If a teacher opens and manages their coaching centre, it is considered as ....

(a) Business   (b) Selling   (c) Wage employment   (d) Self-employment

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

(i) Shaurya is typing contents directly into the table and modifying the data in Open Office Base. In which view is he working?

(a) Datasheet View   (b) Design Query   (c) Wizard   (d) Design View

(ii).............................is designed to help users with auditory impairment.

(a) Toggle Keys   (b) Filter Keys   (c) Sound Sentry   (d) Shift Keys

(iii) Priyam wants to sort the marks scored by students in descending order. Although he remembers the 'Order By' command, he forgets the keyword used with it to get the desired result. Give that keyword.

(a) asc   (b) desc   (c) reverse   (d) describe

(iv) While performing a Mail Merge task, the first step is to create a ....

(a) Data Source (b) Main Document (c) Merge Document (d) New Document

(v) Amit, a class 12 student, wants his project name to appear in the middle of the document. Which feature   should he use to accomplish this?

(a) Template   (b) Automatic   (c) Style   (d) Watermark

(vi) Jeetu is working on two spreadsheets placed in the same folder linked to each other and then moves the   entire folder to a new location. In that case, a relative hyperlink ....

(a) Will not work   (b) Will always work   (c) May work   (d) May not work

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

(i) ABC University has shifted the study centre of BCA students from "Surat" to "Ahmedabad". Give the command to update the name of the study centre in the table "Candidates".

(a) Update Candidates set study_centre=" Ahmedabad" where study_centre="Surat";

(b) Modify Candidates set study_centre=" Ahmedabad" where study_centre="Surat";

(c) Modify Candidates replace study_centre=" Ahmedabad" with study_centre="Surat";

(d) Update Candidates change study_centre=" Ahmedabad"; (1)

(ii).............................is an accessibility function specially designed for people who have vision impairment

or cognitive disabilities.

(a) Serial keys   (b) Filter keys   (c) Toggle keys   (d) Special keys

(iii) Name the relationship in which one record in one table can be associated with one or more records in another table.

(a) One-to-one   (b) One-to-many   (c) Many-to-many   (d) Multiple

(iv) Manjit owns a bakery. He makes a monthly profit of Rs. 6,000 by selling 1,000 packets of biscuits. When the cost of raw materials rises, he decides to increase the price of biscuit packets to maintain his profit margin. Which method should he use to attain this?

(a) Consolidating Data   (b) Goal Seek   (c) Subtotals   (d) Cell Reference

(v) Which accessibility option tells the keyboard to ignore brief or repeated keystrokes?

(a) Filter keys   (b) Toggle keys   (c) Mouse keys   (d) Serial keys

(vi) Which of the following is/are advantage(s) of a database?

(a) Data Sharing   (b) Enforcement of Standards   (c) Enhanced Data Security (d) All of these

4. Answer any 5 out of the given 6 questions. (1 × 5 = 5 Marks)

(i) Subtotal feature is present under which menu?

(a) Edit   (b) Data   (c)Tools   (d)Insert

(ii) Name the central device that connects all devices to the network.

(a) Bridge   (b) Hub   (c) Switch   (d) Router

(iii) The..............................section allows all settings to be customized to help a disabled person.

    (a) Serial key   (b) Start   (c) Filter key   (d) Ease of Access Center

(iv) The.............................property allows the user to specify an alternative name for any field.

(a) Default   (b) Alias   (c) Format   (d) Edit

(v) Which command is used to retrieve the records from the table in a database?

(a) Update   (b) Modify   (c) Select   (d) Alter

(vi) .... is a named collection of various formatting features that defines the looks and behaviour of document components associated with it.

(a) Templates   (b) Style   (c) Table of Contents   (d) Mail Merge

5. Answer any 5 out of the given 6 questions. (1 × 5 = 5 Marks)

(i)..............................are used to display the summarized data in a printable format.

(a) Reports   (b) Forms   (c) Queries   (d) Wizard

(ii).........styles affect selected text within a paragraph, such as the font and size of text or bold and italic formats.

(a) Character   (b) Paragraph   (c) Lists   (d) Page

(iii) Name the device that converts a digital signal to an analog signal and vice versa.

(a) Router   (b) Modem   (c) Gateway   (d) Network

(iv) Which of the following options is not available in the final step under Create Table through table wizard?

(a) Insert data immediately   (b) Modify the table design   (c) Create report (d) Create a form based on this table

(v) The__ are dedicated computers which hold the actual database and run the related database software.

(a) Tables   (b) Database servers   (c) Query   (d) Client program

(vi) A..............................is a saved sequence of commands or keystrokes that are stored for later use.

(a) Program   (b) Macro   (c) File   (d) Formula

SECTION B: SUBJECTIVE TYPE QUESTIONS
Answer any 3 out of the given 5 questions on Employability Skills. (2 × 3 = 6 Marks)

6. Identify the misconceptions associated with the following statements: (2)

(i) Ramit has started a small stationery shop but he doesn't call himself an entrepreneur.

(ii) Jivesh has an idea to host a website to build various courses but he has very little money to invest. So, he decides not to start the website. (2)

7. Explain different types of stress. (2)

8. Why is self-regulation important in your life? (2)

9. Write four measures to protect your computer. (2)

10. Explain four functions of an entrepreneur. (2)

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

11. Write the steps to remove the relationship using Open Office Base. (2)

12. What is Update Cascade or Delete Cascade with respect to referential integrity in DBMS? (2)

13. Mention any four features of referential integrity. (2)

14. Write the full form of DDL and DML. Give one example of each. (2)

15. Give any four clauses used with the SELECT command. (2)

16. (i) Write SQL query to display students of commerce stream from "Exam_results" table.
(ii) Write SQL query to get the result in ascending order of total marks scored by students. (2)

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

17. Suppose you own a stationery shop and you need to keep detailed records of the materials available in your shop. You also need to store information about pricing, stock levels for reordering, old stocks, etc., in a database program.

(i) Name any two database programs to organize data as per your business need. (1)

(ii) What is DBMS? Explain in brief. (2)   (iii) Write any two advantages of DBMS. (1)

18. Akshat is a Computer Science teacher in a private school. He has four computers in the computer lab where his colleagues used to work. All the computers are stand-alone and not connected to the internet. He calls a network engineer to form a network of these four computers.

Answer the following questions with reference to the given situation.   (4)

   (i)   What type of network will be formed?
   (ii)   Which application/software is required to browse the internet? Give two examples.
   (iii)   Write any two advantages of a computer network.
   (iv)   Name any two ISPs.

19. Every organization must follow a standard set of safety rules and procedures. These rules must be stated and displayed clearly at important areas. All the employees must be given a demonstration and training to follow safety rules—fire safety, slip and fall, electrical safety—and how to give first aid. Timely repairs should be carried out by a competent person or organization at the workplace to prevent accidents.

   (i)   Write any two basic fire-safety rules in an organization.
   (ii)   What do you mean by first aid?
   (iii)   What are occupational hazards? Name any four such hazards.
   (iv)   What precautions should be taken to avoid occupational hazards?

20. Consider the following table: Employee

Empid	Name	Salary	Designation
E01	Abhira	78000	Manager
E02	Nabendu	50000	Sales Executive
E03	Atul	55000	Clerk

Write SQL commands to do the following:

(i) Display details of all employees whose salary is less than 50000.

(ii) Display half of the total salary paid to all the employees.

(iii) Display details of all the "Managers".

(iv) Increase the salary of employee "Atul" by 4000. (4)

21. Vanshika has activated her chat account for the first time. She wants to know some etiquette to be followed while chatting. Write them down for her. (4)

For Visually Impaired Students

21. What are cookies? Explain the steps to clear browser cookies from the computer. (4)