

Sample Question Paper 02

Information Technology 10th (Code 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 5 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.

Time : 2 Hrs.

Max. Marks : 50

Section A Objective Type Questions (24 Marks)

1. Answer any 4 out of the given 6 questions based on Employability Skills. $(4 \times 1 = 4)$
 - (i) Which one of the following is not a symptom of stress?
 - (a) Increased sweating
 - (b) Dry mouth
 - (c) Cold hands or feet
 - (d) None of the above
 - (ii) Which term refers to our knowledge and understanding of ourselves?
 - (a) Self-awareness
 - (b) Motivation
 - (c) Both (a) and (b)
 - (d) None of the above
 - (iii) Which of the following is an example of effective written communication?
 - (a) Using excessive jargon and technical terms
 - (b) Writing lengthy paragraphs without any breaks or bullet points
 - (c) Using concise and clear language
 - (d) Including personal opinions and biases
 - (iv) provides process and memory management services that allow two or more tasks, jobs or programs to run simultaneously.
 - (a) Multi-tasking
 - (b) Multi-threading
 - (c) Multi-processing
 - (d) Multi-computing

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- (v) Which of the following is an example of a green skill?
- Traditional farming techniques
 - Renewable energy installation and maintenance
 - Conventional manufacturing processes
 - Non-recyclable waste disposal methods
- (vi) In which situation an entrepreneur will not be able to convince his fellow beings to achieve his goals?
- Low self-confidence
 - Innovativeness
 - Risk-taking
 - None of the above
- 2.** Answer any 5 out of the given 6 questions. $(5 \times 1 = 5)$
- Which of the following is not an AutoShape?
 - Editing Custom Shapes feature allows of small segments of a drawing.
 - Template includes a text space that is surrounded by brackets. It is called a
 - A _____ is a document model that you use to create other documents.
 - Which of the following alignment aligns the text along with the page margin?
- Line
 - Circle
 - Curve
 - ClipArt
 - shaping
 - reshaping
 - rehearse
 - None of these
 - margin
 - placeholder
 - data source
 - track changes
 - Anchoring
 - Alignment
 - Template
 - None of these
 - Left
 - Center
 - Justify
 - Along margin
- (vi) Suraj wants to know the sequence of steps used to open the Templates dialog. Answer to his query.
- File → New → Text Document
 - File → New → Templates
 - Format → Group → Group
 - None of the above
- 3.** Answer any 5 out of the given 6 questions. $(5 \times 1 = 5)$
- Which of the following allows you to reorder data?
 - Neeta is planning to take a car loan to buy a new car. But she is not sure about the payback time, i.e. whether to pay it back in 5 or 6 years considering that her monthly fuel cost will also increase. In such cases, which of the following features of spreadsheet can she use to get an idea about it?
 - What is the name given to a combination of two cell references?
 - Which of the following operations cannot be performed using LibreOffice Calc?
 - Which of the following allows you to display the specific data?
- Sorting
 - Filtering
 - Scenario
 - Custom sorting
 - Consolidation
 - Macros
 - Templates
 - What-if analysis
 - Relative reference
 - Absolute reference
 - Mixed reference
 - None of the above
 - Store and manipulate data
 - Create graphical representation of data
 - Analysis of data
 - Mail merge
 - Arranging
 - Filtering
 - Scenario
 - Custom sorting

(vi) The default page orientation in spreadsheet is

- (a) Landscape
- (b) Horizontal
- (c) Portrait
- (d) None of these

4. Answer any 5 out of the given 6 questions. $(5 \times 1 = 5)$

(i) The SQL statement is used to make a query or retrieve data from a table in a database.

- (a) INSERT
- (b) UPDATE
- (c) SELECT
- (d) REVIEW

(ii) DBMS is a program, that controls the creation, maintenance and use of a database. Here, DBMS stands for

- (a) Digital Base Management System
- (b) Data Build Management System
- (c) Database Management System
- (d) Database Management Service

(iii) Key field is a unique identifier for each record. It is defined in the form of _____.

- (a) rows
- (b) columns
- (c) tree
- (d) query

(iv) 1:1, 1:n and n:1 are examples of different types of _____.

- (a) Relations
- (b) Databases
- (c) Data
- (d) Query

(v) Rajiv has created an employee table and made Emp_No, as the primary key, so that it can accept only unique values for each record. At the same time, he wants to have one more field that can behave like a primary key. Which of the following types of key can serve the purpose?

- (a) Foreign key
- (b) Composite key
- (c) Unique key
- (d) None of these

(vi) _____ is used to define the structure of your tables and other objects in the database.

- (a) DDL
- (b) DML
- (c) DCL
- (d) None of these

5. Answer any 5 out of the given 6 questions.

$(5 \times 1 = 5)$

(i) What is the primary fire emergency telephone number is?

- (a) 011
- (b) 101
- (c) 108
- (d) 111

(ii) Sore lower back is caused due to _____.

- (a) reaching forward frequently
- (b) no lumbar support
- (c) no upper back support from chair
- (d) reaching forward for long periods

(iii)



Look at the image and identify under which of the following category of hazards it falls into?

- (a) Safety
- (b) Physical
- (c) Biological
- (d) Chemical

(iv) The proper security procedures will increase _____.

- (a) liabilities
- (b) insurance
- (c) business revenue
- (d) operational charges of the company

(v) A company should have at least exit routes for proper evacuation during an emergency.

- (a) 1
- (b) 2
- (c) 4
- (d) Not required

(vi) Which of the following is an examples of ignition sources of open flames?

- (a) Gas ovens
- (b) Lighters in smoking areas
- (c) Welding torches
- (d) All of the above

Section B Subjective Type Questions (26 Marks)

Answer any 3 out of the given 5 questions on Employability Skills. $(3 \times 2 = 6)$

Answer each question in 20-30 words.

6. How stress can be caused by both good and bad experiences?
7. How do green skills contribute to sustainable development?
8. What is the difference between moving and copying a folder?
9. How entrepreneur is helpful in capital formation?
10. Can you explain what it means to encode a message?

Answer any 4 out of the given 6 questions in 20-30 words each. $(4 \times 2 = 8)$

11. What is the use of grouping objects in a word processor application?
12. What is the difference between a workbook and worksheet?

19. Consider the following table: Employee

Table : Employee

Emp_no	E_name	Profile	Manager	Hire_date	Salary	Commission	Dept_no
8369	SMITH	CLERK	8902	1990-12-18	8000	NULL	20
8499	ANYA	SALESMAN	8698	1991-02-20	16000	300.00	30
8521	SETH	SALESMAN	8698	1991-02-22	12500	500.00	30
8566	MAHADEVAN	MANAGER	8839	1991-04-02	29850	NULL	20
8654	MOMIN	SALESMAN	8698	1991-09-28	12500	1400.00	30
8698	BINA	MANAGER	8839	1991-05-01	28500	NULL	30

(a) How many fields and records are there in the table Employee?

(b) Write the SQL queries for the following:

- (i) Display E_name and Salary of those employees whose Salary is greater than or equal to 22000.
- (ii) Display details of employees those are not getting Commission.
- (iii) Display all the details of the employee profile 'SALESMAN'.

20. Define the following types of integrity :

- | | |
|-----------------------------|-----------------------------|
| (i) Entity integrity | (ii) Domain integrity |
| (iii) Referential integrity | (iv) User defined integrity |

21. Sunil, a software developer, spends long hours working at his desk. Lately, he's been experiencing back pain and wrist strain. What ergonomic adjustments should he consider to alleviate these issues?

13. What is the use of Scenario tool?
14. Define data, the major component of a database.
15. List out any two electrical rescue techniques.
16. Explain any two ways to reduce musculoskeletal problems.

Answer any 3 out of the given 5 questions in 50-80 words each. $(3 \times 4 = 12)$

17. What is sorting? How to use ascending or descending sort which depends on one column?
18. Ojas had prepared a Table of Contents of the project work he had done in a word processor application.
 - (a) Tell him the different steps to update the TOC.
 - (b) Tell him the different steps to delete the TOC.