



विद्या सर्वार्थ साधिका

ANANDALAYA
PRE BOARD EXAM
Class : X

Subject: Information Technology (402)
Date : 25-01-2024

MM :50
Time: 2 Hour.

General Instructions:

1. This Question Paper consists of **21 questions** in two sections: Section A & Section B.
2. Section A has Objective type questions whereas Section B contains Subjective type questions.
3. **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.**
4. All questions of a particular section must be attempted in the correct order.
5. **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.
6. **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. (1 X 4 = 4 marks)
- 1 A response to the received message is called _____. (1)
(A) Result (B) Answer
(C) Feedback (D) Conversation
 - 2 _____ are small bits of data stored as text files on your computer by the websites you visit. (1)
(A) Firewalls (B) Temporary files
(C) Cookies (D) Virus
 - 3 Which of the following is a role of green skills? (1)
(A) Rainwater harvesting (B) Conserving Energy
(C) Reducing pollution (D) All of these
 - 4 Which of the following is the Quality of a successful entrepreneur? (1)
(A) They keep trying new ideas (B) They are confident
(C) They are creative (D) All of the above
 - 5 The way we deal with adversities and hardships, develops our _____. (1)
(A) Confidence (B) Belief
(C) Agility (D) Motivation
 - 6 OS that runs on smart phones is _____. (1)
(A) Disk Operating System (B) Linux
(C) Android (D) Windows XP
- Q-2 Answer any 5 out of the given 6 questions. (1 X 5 = 5 marks)
- 1 Applying a set of values on a dataset to analyse the changes in calculations and results is achieved by _____. (1)
(A) Consolidation (B) Analysis (C) Subtotals (D) Scenarios
 - 2 _____ are for helping visually impaired people. (1)
(A) Sticky Keys (B) Toggle Keys (C) Filter Keys (D) Navigation Keys

- 3 Which of the following client computers rely on the server for data processing? (1)
 (A) Smart Client (B) Dumb Client (C) Virtual Client (D) Remote Client
- 4 Which of the following is referred to as 'records' in a database table? (1)
 (A) Columns (B) Fields (C) Rows (D) None of these
- 5 Which of the following is a saved sequence of commands stored for later use? (1)
 (A) Solver (B) Auto sum (C) Consolidate (D) Macro
- 6 Greyscale is an example of which of the following? (1)
 (A) Image Filter (B) Image Mode (C) Image Transparency (D) None of these
- Q-3 Answer any 5 out of the given 6 questions (1 X 5 = 5 marks)
- 1 DELETE command in SQL is used to (1)
 (A) Delete the entire table (B) Delete the database
 (C) Delete rows based on conditions (D) Delete all the rows of the table
- 2 An embedded image is a linked image whose link option is removed. (True/False) (1)
 (A) True (B) False
- 3 In the formula **book1:A2*book3:A4+D4**, cell D4 belongs to: (1)
 (A) Different workbook (B) Different worksheet
 (C) Current sheet (D) Current workbook
- 4 Which SQL keyword is used to sort the result-set? (1)
 (A) SORT BY (B) GROUP (C) ORDER BY (D) SORT
- 5 Which of the following is a DML command? (1)
 (A) SELECT (B) CREATE (C) DROP (D) ALTER
- 6 A block of text inside a paragraph is affected by Styles. (1)
 (A) Page styles (B) Character Style (C) List styles (D) Frame Style
- Q-4 Answer any 5 of the given 6 questions (1x5=5 marks)
- 1 (i) DROP command is a DML query. (True/False) (1)
 (A) True (B) False
- 2 Which of the following setting is not used for positioning of graphic? (1)
 (A) Arrange (B) Alignment (C) Wrap (D) Caption
- 3 Shortcut key for cut is _____. (1)
 (A) CTRL X (B) CTRL T (C) CTRL C (D) None of these
- 4 _____ is an internet device that is used to convert digital to analog signals and vice versa. (1)
 (A) Web Browser (B) Router (C) Repeater (D) Modem
- 5 Graphics styles can be applied using Styles. (1)
 (A) List (B) Frame (C) Paragraph (D) Page
- 6 A message that incorporates regard and respect for others is (1)
 (A) Clear (B) Concrete (C) Courteous (D) Concise
- Q-5 Answer any 5 of the given 6 questions (1x 5 = 5 Marks)
- 1 What is the primary function of electronic spreadsheet? (1)
 (A) Word Processing (B) Data Visualisation
 (C) Data analysis and manipulation (D) Data Training
- 2 For devices that are cities apart, which of the following is best suited? (1)
 (A) LAN (B) WAN (C) PAN (D) MAN
- 3 In a spreadsheet, what does a hyperlink allow you to do? (1)
 (A) Change font colour of a cell (B) Navigate to another cell in the same worksheet
 (C) Apply filter (D) Create a connection to a website or external file

- 4 Arithmetic operation =Average(3,5) results in_____ . (1)
 (A) 4 (B) 5 (C) 3 (D) 3.5
- 5 _____ are the basic building block of a database. (1)
 (A) Table (B) Record
 (C) Fields (D) All of the above
- 6 File extension for OpenOffice Writer is_____. (1)
 (A) .oot (B) .odt (C) .ods (D) .docx

Section –B SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions in 20-30 words. (2 x 3 = 6 marks)

- Q-6 List any two Communication Barriers. (2)
- Q-7 How does Gender Equality help in overcoming the challenges in Sustainable Development? (2)
- Q-8 Define types of Stress. (2)
- Q-9 “Success is quick if we start with a small enterprise.” Do you agree with the statement? Justify your answer. (2)
- Q-10 Describe the following: (2)
 (A) Spyware
 (B) Boot Sector Virus

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

- Q-11 Define the following: (2)
 (A) Primary Key
 (B) Foreign Key
- Q-12 Mention any two steps to prevent online frauds. (2)
- Q-13 Define resizing and cropping of an image. (2)
- Q-14 How can data redundancy be controlled through DBMS? (2)
- Q-15 List any 4 types of Styles. (2)
- Q-16 Explain Macros with an example (2)

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

- Q-17 Suman used to work in a private Bank. She lost her job due to Covid Pandemic. So she decided to create a YouTube channel where she will show some kitchen tips and recipes. For making good quality videos she needs some accessories like a good mobile, tripod stand etc. Suman discussed this with her friend Anju and she suggested that you can buy all these products Online. (4)
 1. What is online shopping?
 2. Write any two payment methods offered by Flipkart
 3. Write any two situations where online shopping will be useful.
- Q-18 Write a short note on the following: (4)
 (i) Write any one advantage of DBMS.
 (ii) Differentiate between Tuple and Attribute of a relation.
 (iii) What is the default date format in SQL?
 (iv) Define Cardinality of a relation
- Q-19 Every organization must follow a standard set of safety rules and procedures. These rules must be stated and displayed clearly in the important areas. All the employees must be given a demonstration and training to follow safety rules – Fire safety, Falls and slips, Electrical safety, Use of first aid. Timely repairs should be carried out by a competent person or organization at workplace to avoid any hazards. (4)
 1. Write any two basic Fire safety rules in an organization.
 2. What is Occupational Hazards? Name any four types of Occupational Hazards.
 3. What do you mean by First Aid?

Q-20 Ranjan had applied for job in a company via email last week. Today she received a mail from HR department of the company regarding her interview date. Her interview will be conducted online using video conferencing and instant messaging software. Answer the following questions in reference to the given situation. (4)

1. What is Video Conferencing?
2. Name any two hardware which are required for video conferencing.
3. Write any two features of instant messaging software.
4. Name two types of instant messaging software.

Q-21 Keshav is making a list of person who have some impairment or disability due to which they are not able to use the computer. Identify which accessibility option will allow them to use the computer regardless of their disability. (4)

1. Person Suffering from hand tremor.
2. Person with Auditory impairment.
3. Person who has difficulty in using mouse.
4. Person who has difficulty in using both mouse and keyboard.