

Please note : • All answer to be written in the answer booklet.

- Attempt all questions and be neat.

Q1).Choose the correct option from the following: [20m]

1. What is the job of the CPU (Central Processing Unit) in a computer?
 - a) It shows pictures on the screen
 - b) It stores songs and videos
 - c) It controls and runs all the work in the computer
 - d) It plays sound through speakers
2. The _____ stands for modulator –demodulator.
 - a) PCI
 - b) SMPS
 - c) MODEM
 - d) Sound card
3. 2^{10} bytes = _____ .
 - a) Gigabyte
 - b) Megabyte
 - c) kilobyte
 - d) Terabyte
4. The Html tag used to specify an image to be displayed in a Html document is _____.
 - a) <image>
 - b) <picture>
 - c)
 - d) <pic>
5. The _____ system is also called as place value notation.
 - a) Binary
 - b) Octal
 - c) Hexa
 - d) Decimal
6. The modern computer are designed on a single semiconductor chip called _____ .
 - a) Vacumm
 - b) Transistors
 - c) microprocessor
 - d) drive
7. Which of these is a valid Excel formula?
 - a) A1 + B1
 - b) =A1+B1
 - c) add(A1,B1)
 - d) formula(A1,B1)
8. Which of the following is a storage device?
 - a) Mouse
 - b) Scanner
 - c) Hard Disk
 - d) Speaker
9. By default , the ordered list starts with _____ .
 - a) A
 - b) 1
 - c) a
 - d) i
10. The binary number system uses how many digits?
 - a) 10
 - b) 8
 - c) 16
 - d) 2

11. Which hardware component is used to convert paper images into digital form?
a) Monitor b) Printer c) Scanner d) Speaker
12. What is the base of the octal number system?
a) 2 b) 8 c) 10 d) 16
13. Which bar displays the contents of the selected cell?
a) Title bar b) Menu bar c) Formula bar d) Status bar
14. The Unordered list is also called as _____ list .
a) Type b) Start c) Bulleted d) creating
15. Which component is used to scroll the worksheet up and down or left and right?
a) Tab bar b) Status bar c) Scroll bar d) Toolbar
16. A pen drive is also known as _____.
a) Flash drive b) Winchester drive c) Disk drive d) CD drive
17. Which part of Excel contains commands to perform various task like Formatting, sorting etc.?
a) Title bar b) Ribbon c) Formula bar d) Scroll bar
18. What is the default file extension of an Excel workbook ?
a) .docx b) .xlsx c) .xlsm d) .txt
19. What is the binary equivalent of decimal number 5?
a) 101 b) 110 c) 100 d) 111
20. The src attribute in the tag is used to:
a) Style the image b) Set image width c) Provide the image path
d) Make image clickable

Q2).A.State whether the following statement are True or False. [5m]

1. We can create both ordered and unordered lists in an Html document.
2. The printed copy of data is called a soft copy.
3. A workbook in Excel can contain a maximum of 256 worksheets. .
4. Byte is short for Binary digit .
5. A video card does not have its own processing unit and memory.

B. Case study : [5m]

Suppose you are organizing activity classes for the summer holidays and are designing a web page for the task . There is a picture called Holidays.gif which exists in the same location folder where part of the HTML document code has been written. Write the HTML code to perform the following additional tasks.

- i). Let the background color be blue.

ii). Insert the image Holidays.gif in the web page where both the height and the width of the image is 200 pixels.

iii). The text to be displayed while the image file loads is “Unleash your creativity”.

Q3).A. Observe the picture and answer the following: [2m]

(i). Identity the Hardware component?
 (ii). What is use of this component?



B. Observe the worksheet given here and answer the following questions. [3m]

The screenshot shows a Microsoft Excel spreadsheet titled "Book1 - Excel (Product Activation Failed)". The table has columns labeled "Roll no", "Name", and "Room no". The data is as follows:

| | Roll no | Name | Room no |
|---|---------|---------|---------|
| 1 | 7101 | Aditiya | 24 |
| 2 | 7102 | Apoorv | 32 |
| 3 | 7103 | Bhushan | 40 |
| 4 | 7104 | Barkha | 34 |
| 5 | 7105 | Chandan | 28 |
| 6 | | | |
| 7 | | | |

i). Name the active cell in the worksheet ?
 ii). What is the address of the cell where Apoorv's room no is mentioned?
 iii). Write the range of cell for the column B and rows 1 through 6?

C. Application based question: [5m]

1. Ravi made a budget table for his monthly expenses in Excel. He entered the names of items in one column A2 to A7 and amounts in the next B2 to B7. Now, he wants to know how much money he spent in total. Write the cell referencing to calculate the amount .
2. Sana specified type ="i" and start="3" in the tag .What will be the numbering of the first item of this list?

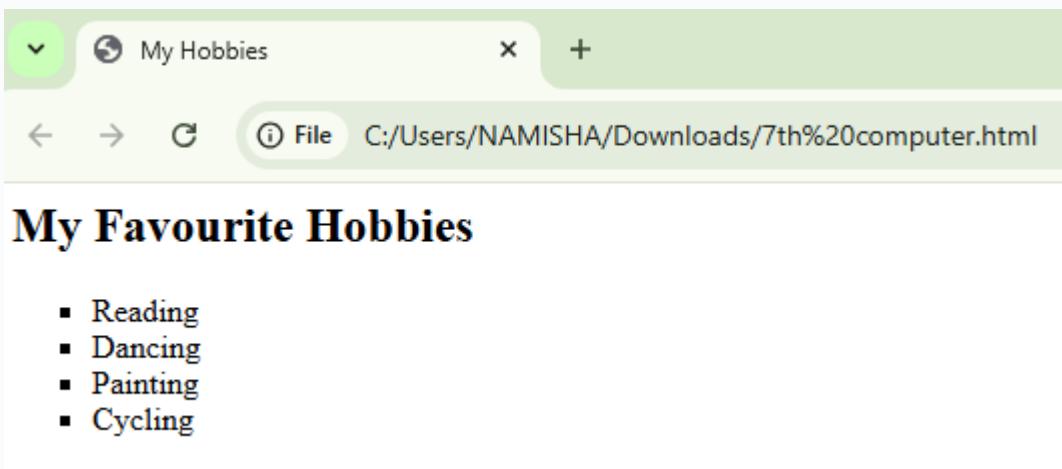
3. You are playing a video game, and your high score is shown in binary as 1100. You want to know your score in normal (decimal) numbers. What is your score?
4. Rahul is attending an online music class and wants to record his voice while singing. Which hardware component should he use to record his voice? What type of device is it?
5. A technician visits your home and opens your CPU cabinet. He points to a square chip and calls it the "brain of the computer." What hardware component is he referring to?

Q4).A. Name the following: (5m)

1. The temporary storage unit of the computer that hold data and instruction for processing.
2. The physical components which are fixed inside the CPU cabinet.
3. It is a group of 4 bits and can store as many as 16 values.
4. It is a collection of cells treated as a single unit.
5. The list items containing two portions – a term and its description.

B. Write the HTML code to create these web pages : [15m]

1. (7m)



The screenshot shows a web browser window with the following details:

- Address bar: My Hobbies
- File menu: File C:/Users/NAMISHA/Downloads/7th%20computer.html

The main content area displays the following HTML code:

```
<h2>My Favourite Hobbies</h2>
<ul style="list-style-type: none;">
  <li>▪ Reading</li>
  <li>▪ Dancing</li>
  <li>▪ Painting</li>
  <li>▪ Cycling</li>
</ul>
```

Internal Hardware Components

CPU

Central Processing Unit - It is the brain of the computer.

RAM

Random Access Memory - It is used for temporary storage while working.

ROM

Read-Only Memory - It stores permanent instructions for the computer.

Q5).A. Answer the following in short. [8m]

1. Explain any 2 graphic file format that are most widely used format ?(write the full form) ? (2m)
2. Write the 3 main categories of the peripheral devices with 2 examples each? (3m)
3. Explain the three types of data that can be entered in an excel cell? (3m)

B. Complete the code (write the whole code). (2m)

You are designing a web page about "Nature." You want to insert a background image of a forest (forest.jpg) on your web page . The title for the web page is "WELCOME TO NATURE" and the text to be displayed is "Enjoy the beauty of the nature".

```

<html>
<head>
  <title>  </title>
</head>
<body>  >
  <p>Enjoy the beauty of the forest!</p>
</body>
</html>

```

Q6. Convert the following. [10m]

1. $(47)_{10} = (\underline{\hspace{2cm}})_2$ (3m)
2. $(3241)_8 = (\underline{\hspace{2cm}})$ (3m)
3. $(101101011)_2 = (\underline{\hspace{2cm}})_8$ (2m)
4. $(1100110)_2 = (\underline{\hspace{2cm}})_{10}$ (2m)