

Computer Revision
class 7.

Q. 1) Fill in the blanks with correct options from chapter 1, 2, 3, 7. → Go through question number 1.

Q. 2) State whether the following statements are true or false.

From chapter 1, 2, 3, 7 → Go through question number 2. Refer all questions.

Q. 3) Tick (✓) the correct option.

Go through question number 3 of chapter 1, 2, 3, 7.

Q. 4) Short answer type question.

- 1) why do you understand by a CPU?
- 2) Name any two components on the motherboard.
- 3) What does the base of a number system represent?
- 4) Define an Antivirus.
- 5) Define a boot sector virus.
- 6) How worms are different than Trojans?
- 7) What is an ordered list used for?
- 8) What is the use of ALT attribute with image?
- 9) Why do we insert image in a web page?

Q. 5) Convert the following number
→ Binary to Decimal.

$$\begin{array}{rcl} 1 & 1 & 0 & 1 \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 1 \times 2^3 & = & 8 \\ 1 \times 2^2 & = & 4 \\ 0 \times 2^1 & = & 0 \\ 1 \times 2^0 & = & 1 \end{array}$$

$$(11101)_2 = (13)_{10}$$

$$\begin{array}{rcl} 1 & 0 & 1 & 0 & 1 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 1 \times 2^4 & = & 16 \\ 0 \times 2^3 & = & 0 \\ 1 \times 2^2 & = & 4 \\ 0 \times 2^1 & = & 0 \\ 1 \times 2^0 & = & 1 \end{array}$$

$$(10101)_2 \rightarrow (21)_{10}$$

iii) 1100

$0 \times 2^0 = 0$
 $0 \times 2^1 = 0$
 $1 \times 2^2 = 4$
 $1 \times 2^3 = 8$

12

$(1100)_2 \rightarrow (12)_{10}$

iv) 1010

$0 \times 2^0 = 0$
 $1 \times 2^1 = 2$
 $0 \times 2^2 = 0$
 $1 \times 2^3 = 8$

10

$(1010)_2 \rightarrow (10)_{10}$

2) Decimal to binary

1) 54

2	54
2	27
2	13
2	6
2	3
1	1

1 1 0 1 0

$(54)_{10} \rightarrow (110110)_2$

2) 137

2	137
2	68
2	34
2	17
2	8
2	4
2	2
1	1

1 0 0 0 1 0 0 1

$(137)_{10} \rightarrow (10001001)_2$

3) 18

2	18
2	9
2	4
2	2
1	1

1 0 0 1 0

$(18)_{10} \rightarrow (10010)_2$

4) 150

2	150
2	75
2	37
2	18
2	9
2	4
2	2
1	1

1 0 0 1 0 1 1 0

$(150)_{10} \rightarrow (10010110)_2$

Computer Revision - Paper Marks - 30!

Q1) Long answer type questions.

i) Explain with an example what is Marquee tag used for.

→ The `<MARQUEE>` tag is also a container tag that is used to insert a scrolling area of text. By default the text within the `MARQUEE` tag scrolls from right to left in a horizontal direction.

Example:-

i) `<MARQUEE DIRECTION="Right">`

Q2) What are forms in HTML? Which tag is used to create a multiline text in a form?

→ Forms are the objects which are generally used to collect inputs from the users.

Example:→ Filling of form for registration of an event.

`<textarea>` tag is used to create a multiline text in a form.

Q3) What are the different type of lists you can create in HTML?

Q4) What is anti-virus and its functions?

Q5) What are the symptoms of a computer virus?

Q6) What are scanners? Explain different types of scanners.

Q7) Write a short note about a modem.