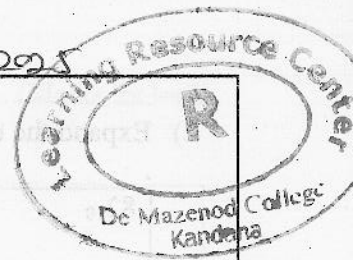


09.05.2025



De Mazenod College-Kandana

Information and Communication Technology

Grade 8- 1st Term Test – 2025

Name:.....

Class: 8.....

Class No:.....

1) Underline the correct answer.

(Marks 2x10=20)

1. 28_{10} represents the binary number as,

- a) 01111
- b) 11100

- c) 1001
- d) 10011

2. 100111_2 represents the decimal number as,

- a) 39
- b) 57

- c) 21
- d) 11

3. 301_8 is an,

- a) Binary number
- b) Octal number

- c) Decimal number
- d) Hexadecimal number

4. 10111111000000_2 is an,

- a) Binary number
- b) Octal number

- c) Decimal number
- d) Hexadecimal number

5. 65_{10} is an,

- a) Binary number
- b) Octal number

- c) Decimal number
- d) Hexadecimal number

6. 238_{16} is an,

- a) Binary number
- b) Octal number

- c) Decimal number
- d) Hexadecimal number

7. The base for binary number is,

- a) 2
- b) 8

- c) 10
- d) 16

8. The base for octal number is,

- a) 2
- b) 8

- c) 10
- d) 16

9. The base for decimal number is,

- a) 2
- b) 8

- c) 10
- d) 16

10. The base for hexadecimal number is,

- a) 2
- b) 8

- c) 10
- d) 16

2) Expand the decimal numbers given below.

(Marks 3x4=12)

82 ₁₀	945 ₁₀
213 ₁₀	4355 ₁₀

3) Fill in the blanks.

(Marks 2x5=10)

Base / Binary / Machine / Printer / Scanner

1. Computer can understand only..... language.
2. The indicates to which number system a given number belongs to.
3. numbers are mostly used in computers
4. is an input device.
5. is an output device.

4) Complete the table.

(Marks 2x8=16)

Number system	Symbols	Base
Binary		
.....	0,1,2,3,4,5,6,7	
Decimal		
.....	0,1,2,3,4,5,6,7,8,9,A,B,C,D,E,F	

5) Convert the following decimal numbers to binary numbers.

(Marks 2x3=6)

24 ₁₀	125 ₁₀

6) Write True (T) or False (F).

(Marks 2x5=10)

1. The number of symbols in a number system is equal to its base. ()
2. The hexadecimal system does not use any letters. ()
3. The CPU is known as the brain of the computer. ()
4. Software is the physical part of a computer. ()
5. Computers can think and feel like humans. ()

7) Match

(Marks 2x5=10)

111 ₂	34
88 ₁₀	1011000
38 ₁₀	1011100
100010 ₂	7
92 ₁₀	100110

8) Write the short cut keys.

(Marks 2x5=10)

- | | | | |
|----------|--------------|---------|--------------|
| 1. Copy | ctrl + ... | 4. Undo | ctrl + ... |
| 2. Cut | ctrl + ... | 5. Redo | ctrl + ... |
| 3. Paste | ctrl + ... | | |

9) Convert the following binary numbers to decimal numbers.

(Marks 2x3=6)

01001 ₂	10010 ₂

For Teacher's Use Only

Question number	Marks
1	
2	
3	
4	
5	
6	
7	
8	
9	
Total	