

De Mazenod College-Kandana

Information and Communication Technology

Grade 8- 1st Term Test – 2024

Class: 8.....

Duration: 1 hour

Name:.....

Class No:.....

1) Underline the correct answer.

1. 301_{10} represents the binary number as,

a) 101101111

b) 11100101101

c) 100101101

d) 100111101101

2. 101011_2 represents the decimal number as,

a) 45

b) 25

c) 43

d) 36

3. The base for 1001_2 is,

a) 2

b) 10

c) 8

d) 16

4. The base for binary number is,

a) 2

b) 10

c) 8

d) 16

5. 265_8 is an,

a) Binary number

b) Octal number

c) Decimal number

d) Hexadecimal number

(Marks 2x5=10)

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

1. Computer can understand only machine language.

()

2. All processes in a computer are performed using 0 are OFF states.

()

3. File extension shows the file type.

()

4. The mouse does not work is a software problem.

()

5. Slow in starting the computer is related to operating system problem.

()

(Marks 2x5=10)

3) Expand the decimal numbers given below

250 ₁₀	785 ₁₀
-------------------	-------------------

(Marks 2x6=12)

4) Complete the table.

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

(Marks 2x6=12)

5) Convert the following decimal numbers to binary numbers.

42 ₁₀	301 ₁₀
------------------	-------------------

(Marks 2x6=12)

6) Fill in the blanks.

application / binary / 0 / base / 1

1. A number system using 2 symbol is a number system.
2. MS. Word is an software.
3. Symbols of binary system are and
4. The number of symbols in a number system is its

(Marks 2x5=10)

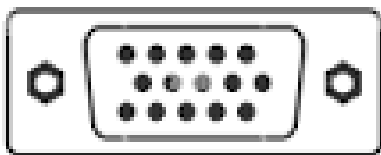
7) Convert the following binary numbers to decimal numbers.

10011 ₂	1110 ₂

(Marks 2x6=12)

8) Name the ports given below.

HD Audio port / VGA port / SD card port



.....



.....



.....

(Marks 3x3=9)

9) Match

10001_2

11100

28_{10}

21

35_{10}

101010

1010_2

17

10101_2

100011

42_{10}

10

(Marks 2x5=10)

10) Name an Input device.

.....

(1 mark)

11) Name an output device.

.....

(1 mark)

12) Name a storage device.

.....

(1 mark)