

Girls' High School & College, Prayagraj
WORKSHEET 1
Session (2020- 21)
Class 4 A-F
Subject - Computer

[**INSTRUCTION:-** Parents are expected to ensure that the child Understands, Learns and is able to do these exercises.]

(CHAPTER-1) COMPUTER- A STORAGE & MEMORY DEVICE

(Data & Information)—Data is any collection of numbers, characters or other symbols that have been coded into a format that can be input into a computer and processed. Data on its own has no meaning, or context. It is only after processing by a computer that data takes on a context and becomes information.

Therefore, we can say, Data is unorganized facts and figures and processed data is known as information.

Children, you should remember that unprocessed data is meaningless but when such data is organized and converted into meaningful information, it becomes useful.

(Data Storage Units)—Whatever we feed into the computer, gets converted into a machine understandable code, called Machine code. A computer can understand only two states ON (represented by 1) and OFF (represented by 0). These two digits – 0 and 1 are called Binary digits or Bits. The data is stored in the computer memory in the form of bits and is measured in Bytes.

MEMORY SIZE

8 bits = 1 byte	1024TB = 1Petabyte(1 PB)
1024 Bytes = 1 Kilobyte(1 KB)	1024PB = 1 Exabyte (1 EB)
1024KB = 1 Megabyte (1 MB)	1024EB = 1 Zettabyte (1 ZB)
1024MB = 1 Gigabyte (1GB)	1024ZB = 1 Yottabyte (1)YB
1024GB = 1 Terabyte(1 TB)	

(A) Fill in the blanks:-

- 1) A computer can understand only two states _____ and _____.
- 2) Data on its own has no meaning, or _____.
- 3) Binary number system is made up of _____ or _____.
- 4) 1 Megabyte is equal to _____ kilobytes.
- 5) Data is unorganized facts and figures and processed data is known as _____.

(B) Multiple Choice Questions:-

- 1) _____ is a process of information.
(a) Books (b) CD- ROM (c) Computers

- 2) Which of the following statement is correct?
(a) 1KB= 1024 (b) 1MB= 2048 (c) 1KB= 1000 bytes

- 3) _____ is any collection of numbers, characters or other symbols.
(a) Machine (b) Data (c) Bytes

- 4) Which of the following statement is correct?
(a) 8 bits = 1 byte (b) 8bits = 2 byte (c) 8bits = 6byte

- 5) Which of the following is the largest unit of data?
(a) Gigabyte (b) Megabyte (c) Kilobyte

(C) Answer the following questions in short:-

- 1) What is difference between data and information?
- 2) What are the units of measurement of storage capacity?

END