**Pakistan School , Kingdom of Bahrain**

**E- Support and Learning Material / Session 2020-2021**

**Subject: Computer Grade: 7**

**Book: Computer Education For Grade 7 FIRST TERM**

 **Unit 1: Hardware Basics (Week 1) Pg. No: \_\_\_2\_\_\_**

**Topic: System unit**

**Objectives: The Student should be able to**

* **Identify System Unit.**
* **Describe main Parts of System unit**

System Unit is the metallic or plastic box which contains many Hardware components. System Unit come in Variety of shapes such as desktop and tower. This is also known as Base Unit.

**Main Parts of System Unit**

The main parts of System Units are:

* CPU
* Motherboard
* Memory
* Expansion Cards
* Expansion Slots
* Disk Drives and others.

**Worksheet:**

**Fill in the blanks**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is a box which may contain many Hardware.
2. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ comes in a variety of shape such as desktop and tower.
3. System unit is also known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Q#1: Draw the shapes of System Unit**

**Homework:**

Q#1: Define System Unit

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 **Unit 1: Hardware Basics Pg. No: \_\_\_3, 4\_\_\_**

**Topic: Motherboard**

**Objectives: The Student should be able to**

* **Identify Motherboard.**
* **Describe what it contains**

Mother Board is the main Circuit Board of a computer which contains:

* Processor
* Memory
* Expansion Slots
* Expansion cards etc.

It contains connectors for attaching additional devices such as Input and Output devices. It is also called Mainboard, Baseboard, or System Board. Its basic purpose is to connect different components of the computer.

**Worksheet:**

**Fill in the blanks**

1. Motherboard is the main \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a computer.
2. Its basic purpose is to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_different Component of Computer.
3. Motherboard is also known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Homework:**

Q#1: What is Motherboard? Describe the main Purpose of the motherboard.

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 **Unit 1: Hardware Basics Pg. No: \_\_\_ 4\_\_\_**

**Topic: Processor**

**Objectives: The Student should be able to**

* **Describe Processor.**
* **Write the full form of CPU.**
* **Identify the main components of CPU**

Processor is a chip located on the Motherboard. The Primary purpose of Processor is to carry out **set of instructions** for arithmetic calculations and logical operations on data. It is also called **CPU stands for Central Processing Unit**. It perform all the operation for the computer. It act like the brain of a Computer.

The **two main components of Central Processing Unit** are

1. Arithmetic Logic Unit (ALU)
2. Control Unit (CU)

**Worksheet:**

**Choose the best answer**

1. Processor is located on\_\_\_\_\_\_\_\_\_.

a. CPU b. Motherboard c. Memory d. System Unit

1. Processor is also called\_\_\_\_\_\_\_\_\_\_.

a. ALU b. CU c. CPU d. RAM

1. CPU stands for

a. Central Processing Unit b. Client Processing Unit

c. Central Physical Unit d. Central Process Unit

**Fill in the blanks**

1. CPU is comprised of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ parts.
2. Its basic purpose is to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ different Component of Computer.
3. Motherboard is also known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Homework:**

Q#1: What does CPU stands for?

Q#2: Write a short note on processor?