**Pakistan School , Kingdom of Bahrain**

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

**Subject: Computer Science Grade : 6**

**Book: Computer Education FIRSTTERM**

**Unit 1: The history of computer Week 2**

**Q5. Write down the features of 1st and 2nd generation computers.**

**Objectives:** at the end of the lesson, the students will be able to know about 1st and 2nd generation

The term generation indicate the type of technology used in computer construction .As new technology emerging, it was being used in the making computer .new technology improved the speed , accuracy and storage capacity of the computers. Therefore computers can be divided into five generation depending upon technologies used. These are

1. **First generation (1942-1955).**
2. **Second generation (1955-1964).**
3. **Third generation (1964-1975).**
4. **Fourth generation (1975-present).**
5. **Fifth generation (1980-future).**

**First Generation (1942-1955)**

Following are the characteristics of first generation computer.

* They used vacuum tube.
* They were very large in size
* They were very expensive.
* They had limited internal storage.
* It is not reliable and consumes large amount of energy
* Limited commercial use.

**Examples of first generation computers**

Mark 1, ENIAC, UNIVAC 1, EDSAV, EDVAC

**Second Generation Computers (1955-1964)**

Following are the characteristics of second generation computer.

* They used transistors.
* They were smaller, faster, cheaper and more efficient than first generation computers.
* They were used for commercial purpose.
* They produced less heat than first generation computers.
* They were low cost and portable.
* AC required

**Examples of second generation computers**

IBM 1401 and RCA 501

**Worksheet**

**Fill in the blanks**

1. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ technology was used in first generation computers.
2. The transistor technology was used in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ computers.

**Write T for true statement and F for false statement**

1. Transistors were introduced in First Generation computers.
2. Vacuum tubes were small in size and consumed less energy.