**Pakistan School , Kingdom of Bahrain**

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

**Subject: Computer Science Grade : 6**

**Book: Computer Education Notes & Assignments 3 FIRSTTERM**

**Q6. Write down the features of 3rd and 4th generation computers.**

**Third Generation Computers (1964-1975)**

Following are the characteristics of third generation computer.

* They used Integrated circuits popularly known as chips.
* They were smaller than second generation.
* They had much greater storage capacity than second generation computers.
* More reliable.
* Magnetic disk used for external storage.
* Low heat generated and easily portable.

**Examples of third generation computers**

IBM 360 Series, IBM 370 Series

**Fourth Generation Computers (1975-Present)**

Following are the characteristics of fourth generation computer.

* They use microprocessor
* They use improved storage devices that are cheaper than earlier ones.
* They can be linked together (i.e. network) to share storage capacity, space and data.
* It has high processing speed, smaller in size and very reliable.

**Examples of fourth generation computers**

Laptops, palmtops, modern day PCs.

**Worksheet**

**Fill in the blanks**

1. Microprocessors were introduced in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ computers.
2. IC stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Q6. Write down the features of 5th generation computers.**

**Fifth Generation Computers (1980-Future)**

Following are the characteristics of fifth generation computer.

* These computers are referred to as super computers.
* Super computers have very high speed and high storage.
* Super computers have the ability to carry out highly sophisticated operations.
* The main technology of fifth generation computer is AI (Artificial Intelligence).

**Q7. What is Artificial Intelligence (AI)?**

**Artificial Intelligence (AI)**

AI is the branch of computer science that aims to create computer that can think, behave and react as the same way as humans. It is also called the knowledge processor. Example of AI computer is Cray 1 series.

**Worksheet**

**Fill in the blanks**

1. The Artificial Intelligence means automatic programs that let the machines to \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_ themselves.

1. Fourth generation computers introduced Integrated Circuits.
2. Artificial Intelligence technology also called the knowledge processor.

**Homework**

How many generations of computers are introduced?

Describe about Artificial Intelligence.

In which generation, the vacuum tubes and transistors were introduced?

What are the advantages of Fourth generation computers?