**Week one-31/1/22-Ms Arisha**

**CN4002 Week-1**

**Tutorial Questions**

**1. Regardless of the type of work to be performed, the function of a computer system is**

a. to entertain its users.

b. to reduce the number of employees required by companies.

c. to transform inputs into outputs.

d. to increase company profits.

e. none of the above.

**2. All computer systems, no matter how complex, consist of:**

a. at least one CPU and memory to hold programs and data.

b. at least one CPU, I/O devices and long-term storage.

c. at least one CPU, memory to hold programs and data, I/O devices and long-term storage.

d. at least one CPU, memory to hold programs and data and longterm storage.

e. at least one CPU, memory to hold programs and data and I/O devices.

**3. Which of the following statements correctly describes Von Neumann's architecture?**

a. Memory locations can only be addressed by their content. ο

b. Memory is addressed by location regardless of the data it contains.

c. The CPU needs to be addressed.

d. The CPU can be moved from one location to another.

e. Memory need not be addressed.

**4. The function of the Control Unit (CU) within the CPU is to:**

a. perform arithmetic and Boolean logic calculations.

b. move instructions and data between the CPU and other hardware components.

c. carry signals and power between different computer components.

d. control the processing of instructions and the movement of data within the CPU.

e. performs none of the above.

**5. The function of the Arithmetic and Logic Unit (ALU) within the CPU is to:**

a. perform arithmetic and Boolean logic calculations.

b. move instructions and data between the CPU and other hardware components.

c. carry signals and power between different computer components.

d. control the processing of instructions and the movement of data within the CPU.

e. track the status of the CPU.

**6. Modern computer systems are based on von Neumann’s architecture. With reference to the von Neumann architecture, which of the following statements is TRUE?**

a. Main memory stores both programs and data.

b. Memory is addressed by location regardless of its contents.

c. Data is processed in a binary form.

d. The CPU contains both an Arithmetic and Logic Unit and a Control Unit.

e. All of the above statements are TRUE.

**7. In 1801, Joseph Marie Jacquard invented a loom which was the first documented application of the use of:-**

a. a digital computer.

b. a device which could be used to perform calculations.

c. a device which could store data.

d. a device which could process data in binary form.

e. punched cards to hold a program for the use of a semi-automated, programmable machine.

**8. Which of the following statements most accurately describes a multicore computer?**

a. A system which uses multiple CPUs or CPU cores to function.

b. A system that enables multiple users to simultaneously access the resources of the computer system.

c. A system that allows the user of the computer system to run multiple programs simultaneously.

d. A system that enables the user to access resources spread over multiple computers.

e. A system that enables multiple computer systems to communicate with each other.

**9. A digital computer system generates, stores, and processes data in** a. a hexadecimal form.

b. a decimal form.

c. an octal form.

d. a binary form.

e. an analogue form.

**10.The main function of the Interface unit (i.e., Network Interface Card) in a computer is to**:

a. performs arithmetic and Boolean logic calculations.

b. move instructions and data between the CPU and other hardware components.

c. carry signals and power between different computer components.

d. control the processing of instructions and the movement of data within the CPU.

e. performs none of the above.