

Important Keywords for One word and two marks

- Father of compute - **Charles Babage**
- Physical items/Entities - **Hardware**
- Non-Physical items/Entities - **software**
- Hardware devices attached to the computer – **peripheral equipments**
- To convert source program to Object program - **Compiler**
- Step by step instruction to solve a problem – **algorithm**
- Processed data – **Information**
- Word computing means – **act of calculating**
- Systematically solve a problem – **computer program**
- Main memory - **Primary memory**
- Continuous range of values – **analog computers**
- Intensive graphical application – **work station**
- Desktop computer – **home computer**
- Laptop computer – **notebook computer**
- Pen based computer – **personal digital Assistants**
- Super computer – **billion of instruction per second**
- Main frame computer – **hundred on million instruction per second**
- Operands in Binary addition – **augends and addend**
- Single literal – **product term**
- Standard product term - **minterm**
- Monitor – **display screen**
- Small dot on monitor – **pixel**
- Co-ordinate the entire system – **CU (control unit)**
- Pathway between any components – **bus**
- Pathway for contacting each computer with other – **transmission media**
- Stored program concept – **von neuman concept**
- Storage unit – **memory unit**
- Internal memory – **registers**
- Faster than main memory
- The memory closest to the processor } **cache**
- Long term non-volatile memory – **secondary memory**
- Elementary building block of the digital circuit – **logic gate**
- Voltage level +5 V – **1**
- Voltage level 0 V – **0**
- Arrays of logic gates – **Integrated Circuit (IC)**
- Add 2 binary digit and 2 output– **half adder**
- Add 3 binary digit and 2 output – **Full adder**
- Logic circuit outputs are base on the input – **Combinational circuit**

- Logic circuit outputs are base on the previous state output – **Sequential circuit(ex : flip flop)**
- storing one bit of information / bi-stable gate – **flip flop**
- It can access the hardware directly
- Interface between computer and hardware } **Operating System**
- Automatic job sequencing mechanism } **Resident monitor**
- First elementary operating system
- Superior to the buffer – **spooling**
- Time sharing concept – **multi user operating system**
- Single user operating system – **MS DOS**
- Multi user operating system – **Unix**
- Interface between the OS and the user program – **system call**
- Virtual memory – **Imaginary memory**
- High speed network – **Fiber optic cable (FDDI)**
- The device co-ordinates the data transfer – **Network Interface card (NIC)**
- simultaneously send or receive data/Fast communication mode – **Full duplex**
- data can be transmitted in one direction – **simplex mode**
- Communication between micro computer and mainframe computer – **Telnet protocol**
- Single building / telephone network – **LAN**
- Each computer in the network – **node**
- Computers are connected to a central hub – **star topology**
- Computers are connected in a continues loop – **Ring topology**
- Computers are connected to a common cable – **Bus topology**
- Set of rules that allow different devices to hold conversation – **protocol**
- Data moved from one storage media to less expensive media – **data migration**
- Create duplicate copies into storage device – **file archiving**
- File archiving – **file backup**
- NIC examples – **Ethernet, Arcnet , token ring**
- The process of modulation and demodulation - **Modem**