

①

DATE

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Date :- 27 Aug - 2024

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(B)

Ans 1

a) Power supply:-

- Power supply is an electronic device that offers electric power to an electrical load such as laptop computer or other electronic devices.
- Its main function is to convert electric current from a source to correct voltage and frequency to power the load.
- It is located at the back of the computer usually at the top.

Power supply

is of 2 types

DC-DC Direct Current

current flows in one constant direction

AC-DC

Alternative current  
when current periodically  
changes its direction

(6)

② Output device any peripheral device that converts binary coded data into convenient human form.  
eg Monitor, Printer, Plotter

③ CPU → CPU is considered as the brain of computer.  
- perform all type of data processing operation.  
✓ It stores data serial, intermediate results and  
✓ It controls the execution operation of all parts of comp.

④ MU → This unit can store data, instructions and intermediate results.  
This unit supplies information to other parts of computer when needed it is an internal storage unit.

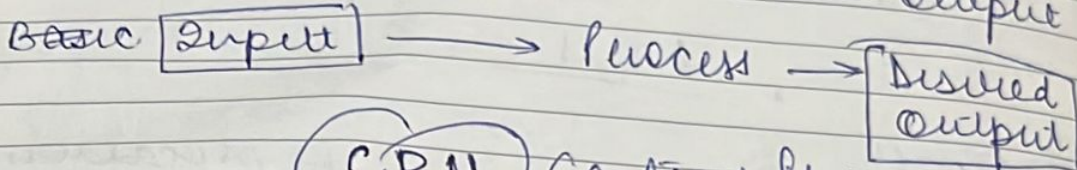
⑤ CU → It controls the operations of all parts of computer but it manages and coordinates all the work of computer.  
It communicate with input/output devices for transfer of data.

All arithmetic operations +, -, ×, ÷ are done by computer.  
Control unit manages, selecting and merging of machine's data.

Ans 4

2

Computer is a electronic device that converts low programmable human understandable language into only binary form language. It needs value 0, and 1. It takes some input and then process it and desired output

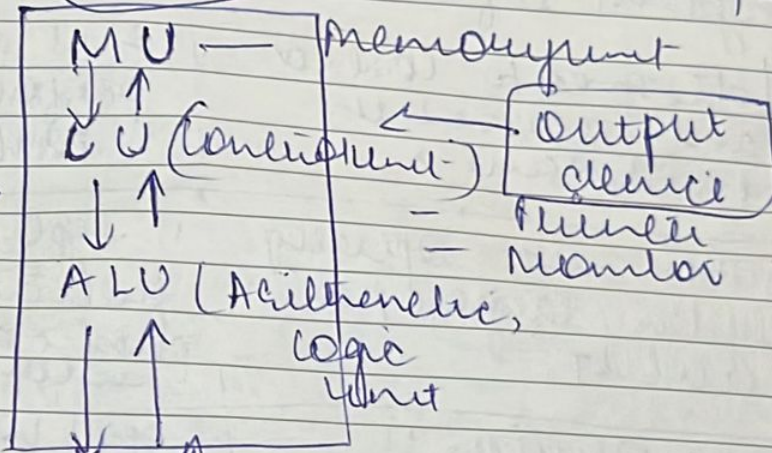


**CPU**

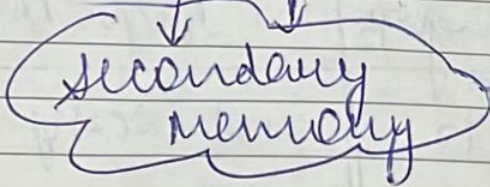
Central Processing Unit

Input Device

- Joystick →
- Mouse
- Keyboard
- Light Pen



- Printer
- Monitor



**Input device :-** Input device is any hardware component used to enter put information inside a computer it converts data external format into binary codes:

- (1) Mouse, Joystick, Keyboard, Touch screen, light.

eg: - compiler, assembler. (9)

③ Utility: - it gives help to analyze, configure, optimize or maintain a computer. It helps to maintain and solve the problems of the computer.

eg: - spam and popup blocker utility, hardware utility.

### Ans

#### Difference

#### System Software

#### Application Software

	System Software	Application Software
means	designed to control and work with hardware.	It is designed to perform specific tasks.
Types	It is 3 types operating system, language processor, utility.	It is types of application software like <sup>ware</sup> software, hardware, public domain, package <sup>idea</sup> software, custom software.
language	It is written in low level language.	It is written in high level language.
Design	It is difficult to design.	It is easy to design.
Purpose	used for general purpose.	used for specific purpose.
depend on	A computer can't run depend upon hardware system software.	A computer can't run without application software.
freq	operating system, driver, compiler.	word processor, web browser, media player.

✓ Software - user can interact with data through interface. (B)

② Printer :- Printer is to create a copy whatever is sent from the computer. to the printer it have electronic data sent from a computer and generate a hard copy. there are different types of printer.

- (1) Dot matrix (2) Inkjet (3) Laser.

Ans

System Software :- It is designed in such way it control and work with computer hardware. It acts as the interface b/w user and device.

- features :-
- ✓ It is different to design
  - ✓ It is difficult to understand
  - ✓ It is close to system
  - ✓ It is fast in speed.

Types of system software

① Operating system :- It is central part of computer. It is used for the smooth functioning of the computer. for eg. LINUX, MS Windows.

② Language Translator :- It converts high level language to machine language which is human understandable.

(2)

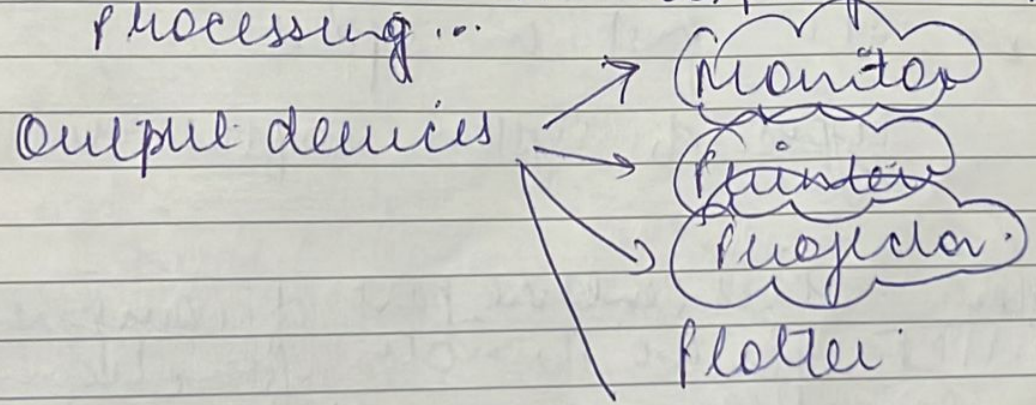
(B) Motherboard is the main circuit board in a complex electronic system like a computer.

- ✓ Most central part of the computer.
- ✓ All the different parts of the computer are connected to the motherboard. This let them to work together.
- ✓ It acts as central backbone of a computer. On which other modules are installed such as CPU, RAM and hard disk.
- ✓ It allows bus network to allow the components to communicate with each other.

Ans 2

Output device - is a piece of hardware that is used to display or output data which has been stored in the computer.

- ✓ It is used to display the result after processing...



(1) Monitor :- A monitor consist of a screen that display data from a computer onto a screen.