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Section - A

Ques 81 Which memory is used to store data permanently?

Ans 81 ~~volatile~~ Non-Volatile memory is used to store data permanently. When the power is cut off, the data is stored in the memory. (1)

Ques 82 Give two examples of :-

→ Volatile memory

→ Non-volatile memory

Ans 82 Examples of Volatile memory are Embedded systems

TV

(1)

more elaboration required

Examples of non-volatile memory are Washing machine, Refrigerators, DVD

Ques 83 Difference between Flash memory and Virtual memory?

needed more clarification

Ans 83 Flash memory :- It is in between main memory and CPU. It is very expensive and faster than the volatile and non-volatile memory.

Virtual memory :- It is the temporary memory. It is present in

the C.P.U memory. It is also known as non-volatile memory.

(2)

Ques<sup>o</sup>4 Define advantages of virtual memory.

Section C (4 marks)

Ques<sup>o</sup>5 Define ROM and types of ROM in detail.

Ans<sup>o</sup> → ROM stands for Read only memory.

→ It is acronym and stores permanent and semi-permanent data.

→ In ROM if programme is incorrect we have to replace physically the ROM chips.

(4)

→ There are many types of ROM

- EPROM → Erasable Programmable Read only memory. It is used to erase the programme in ROM. Programme is erased using ultraviolet rays.

- P~~ro~~ROM → Programmable Read only memory. It is also known as field programmable memory or one point programmable non-volatile memory. In this

only once the programme is written -

- EEPROM → Electrically Erasable Programmable Read Only Memory.  
This memory is erased using high voltage electricity. If the programme is erased once, it can be reprogrammed by using the special purpose software designed for that purpose.

Ans: 4

### Advantages of Virtual memory.

- Virtual memory is present in the m.c.p.u after the loss of power.
- It is useful for finding the deleted memory.

needed more classification (2)