

Zahid Notes

1st Year Computer Science Chapter 3: Central Processing Unit

Federal Board (FBISE) | Easy Revision Notes

EASY STYLE: Pehle aasan lafzon mein samajh, phir definition, phir short answers aur MCQs.

Ye notes practice aur revision ke liye apne lafzon mein likhe gaye hain. Ye official textbook ya board ka paper nahi hain. Har topic ko textbook se dobara zaroor parhna chahiye.

1. Chapter Summary - Aasan Lafzon Mein

CPU computer ka dimagh hai. Ye instructions ko samajhta hai, un par kaam karta hai aur baqi parts ko batata hai ke kya karna hai.

CPU ke 3 aham hisse hain: ALU, Control Unit aur Registers. ALU calculations aur comparisons karta hai. Control Unit sab ko control karti hai. Registers choti tez jagah hain jahan kaam ke doran data rakha jata hai.

CPU ka kaam aik cycle mein hota hai: Fetch, Decode aur Execute. Pehle instruction li jati hai, phir samjhi jati hai, phir us par amal hota hai.

2. Aham Definitions - Choti Aur Saaf

ALU

Arithmetic Logic Unit, jo jama, tafreeq aur comparison jaise kaam karta hai.

Control Unit

Wo hissa jo instructions ko control karta hai aur data ke flow ko manage karta hai.

Register

CPU ke andar choti tez memory, jo kaam ke doran data aarzi rakhti hai.

Clock Speed

CPU ki raftaar, jo batati hai ke CPU aik second mein kitne cycles poora karta hai.

3. Short Questions With Short Answers

Q1. CPU kya hai?

CPU computer ka dimagh hai jo instructions ko process karta hai aur baqi parts ko control karta hai.

Q2. ALU ka kaam kya hai?

ALU calculations aur logical comparisons karta hai.

Q3. Control Unit kya karti hai?

Ye instructions ke flow ko control karti hai aur baqi parts ko hidayat deti hai.

Q4. Fetch-Decode-Execute cycle kya hai?

Pehle instruction lena, phir samajhna, phir us par amal karna.

Q5. Register kya hota hai?

CPU ke andar choti tez jagah jahan kaam ke doran data rakha jata hai.

4. MCQs With Answers

1. CPU ko kya kehte hain:

- A. Computer ka dil
- B. Computer ka dimagh
- C. Computer ka haath
- D. Computer ki aankh

Correct answer: B

2. Calculations kaun karta hai:

- A. Control Unit
- B. ALU
- C. Monitor
- D. Keyboard

Correct answer: B

3. Fetch ka matlab hai:

- A. Instruction lena
- B. Result dikhana
- C. Data delete karna
- D. Print karna

Correct answer: A

5. Important Points Box

CPU = dimagh, ALU = calculations, CU = control

Fetch, Decode, Execute = CPU cycle

Registers = CPU ki choti tez memory

6. 5-Minute Revision Checklist

- CPU = dimagh, ALU = calculations, CU = control samajh aata hai?
- Fetch, Decode, Execute = CPU cycle samajh aata hai?
- Registers = CPU ki choti tez memory samajh aata hai?

Agar koi point mushkil lage, to us section ko dobara parho, phir MCQs khud hal karo.