Assignment-1

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Fundamentals of Computing

between Analog computer and Digital Computer

Analog computer Digital computer

1) A computer that works on continous fime Signals

2) The speed of such computers is less than of digital computers

3) IF has very less memory and con solve Cimited amount of data.

u) It doesn't provide good performance

5) IF have a computer 51 It doesn't have a architecture

61 Pt consumes more on record ords

1) A computer that works on device time signals

2) The Spred of digital computer is more in analog computers

3) It has more memory hence Stores Carge amoud of data was

WIt provide great performance.

> complex architecture. 61 If consumes less

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2. Est the generation of computers developed in the history.

A First generation (1946-1959)

First generation computers are made up of Vacuum tubes and their memory size is 10,000 to 20,000 characters. If operation speed of mill's seconds. They are also very big in Size.

Sewond generation (1959-1965)

Sevend generation computers are made up of Transistors and their memory size is 64000 characters, and their, operation Speed is Micro-sec they are small in size. Better reliable

Third generation. (1965-1971) Third generation computers are made up of Integrated Chip and its memory Size is up to 4 million characters. operating systemis speed is nano secondi. These are also known as general purpous compaters.

Fourth Generation (1971-1980)

Fourth generation computers are made up it micro Processors their memor is Semi conducting momery and it operational speed is 1 to 10 None seworth They consume len power

Fifth generation (1980 to present)

Fifth generation computers are made up of Artificial intelligence and its memory is emos its operational speed is 1 to 100 Nanosecond

They are much more smaller than other generation computers. Very fastest computers, and very user-friendly SIPP Compaker Powerfull

3. Enumerate classification of Computers

A 13/8 ased on operating Principles

Analog Computers -> Functions on continously varying quantity

Applications. Electronic weighing Scalp, heart bent

Digital Computers: Functions on discrete numbers

Applications: Business

Hybridi Computers -> Combin quality of both and god digital computers

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NO114 2+ (-3) = on applications is a series of the 2) Based \* General Purpose: Used for variety of fask -> Special Purposer: Used for particular task and it specifical specific 3) Based on Size capability Tray Consume Micro computer: Microproceson Application: office, home, schools Mini computers. My the processor yours actions all Applications! For storage purposes unopillation Main Frame compulers i fastir & Caregorale Application: Large endistruitastion donn de man port Super Compaters: Powerfull. Application: Atomic Resarch responditions of promises A DISased on operating principles Analog Cemputers - ) Functions on continously varying quantity Applications. Stechanic wadght my sealf, heart had Tolgat Compating demotions on disorte municipa Alphier I seeks ilgal the calm ited & dilempirities comparting a both and sidely