2 August 2019, (First Meeting) [page-2] Hierarchy ob competer System? Computer System Deriga Derign: - Derigning a modern, general purpose computer cyptem born the bottom to top. Debining a computer System: - \mathcal{I} f(n)-a compater system is like a shpert-only Cyptom Three Dibberant trype of System! F= Gm, ma my multimentaling > Mathematical System physical system + By the process Wateral & & representation s variable > Pata structure > Graph Algori limie

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computer system - A physical view ob projection computational system

System - A set or things working together as parts of a mechanism for an wel defined bunchim.

Modern computer system: in a howarchical System

High level language

lovel operating Cysten

compiler

Virtual Machine

Assembler & Ammbly language

Language

Longuage

Computer Aminteeth

ALV Memory Eleman

Combinational Sequential logic

Digital logic (Brolean Algebra)

Abstraction & Interbasing:

Alstraction - Representation of idea

Infortaing - Ar Intermediate object which enables communication between two objects.

page-3 7070-to-Bottom Human lvin Application larguage pro Dia System Beign High level perceting Virtual Machine Vy Translator Machine Hard ware platbom Chips and Gartes ((Mos

berign Meltandology - (General propose compater) Hardware: -Derign Texting To Falmication pacuaging Derign :-Durign sperition Grunds

- High level (Architectural)

- Grate level (logic level)

- Geormetry level (physical parign) Derign von bication/validation I Goes to tambry Fabrication Water Testing Paulaging Final paereage Test-