

**St. Mira's College for Girls, Pune**  
**(Autonomous-Affiliated to Savitribai Phule Pune University)**  
**Subject: ELECTRONICS-I, DIGITAL SYSTEM DESIGN**  
**SEMESTER: III**  
**Year: 2020-2021** BS31605

1. Unit No.: 5  
 3. Employability/Entrepreneurship/Skill development–Employability is achieved through this Assignment

S.Y.B.Sc. Instructions Student work

20 points

1) Explain in a tabular form the comparison between laptop, desktop, tablet on the basis of technical features. 2) Trace the evolution of microprocessor from 8086 to Pentium-4 on the basis of Processor Size, Speed, MIPS, Address bus size, Data bus size, MIPS, No. of transistors, Virtual Memory, Cache etc in a tabular form. 3) Explain the block diagram of 8086 with a neat diagram. (EU & EIU) 4) Explain the different blocks of a Pentium Processor with a neat diagram. (Bus unit, Pipelines, Branch target and Prefetch buffers, Instruction & Data Cache, TLB, FPU)

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 Tried Assigned Unattempted

All

Sejal Chavan Sejal Das Shefali Kamble Sakshi Shyam Shirde

**ASSIGNMENT**

1) Explain in a Tabular form the comparison between laptop, desktop, tablets on the basis

	TABLETS	LAPTOPS	DESKTOPS
● (1) Portability-	Tablets are highly portable that desktop or laptop along with that they are very light weight comparatively	Laptops are portable, light weight and easy to place in backpack, but laptops with larger screens (17") can become bulky and more difficult to carry around.	Desktops next external devices to be fully functional thus making it burdensome to constantly move or transport it. Basic ally resides at one place due to its size.
● (2) Storage-	Tablets come with built in storage ranging from	The most common computer hard drive capacity drive can be over in today's laptop one TB (terabyte)	

3-ASSIGNMENT ON MICROPROCESSORS

**Principal Incharge**  
**St. Mira's College for Girls**

