Microprocessor	Assignment no. 1

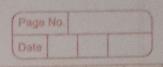
d.no.1 Enlist Evolution of Micropoxessor with their Specifications

	MOEE-8:			
Year	Name	Transistors	Data	Clock
		X (	Width	Speed
Mel OX.	64 bits 4		excel losse	50it,
1974	8080	6000	8 bits	2 MHz
1976	8085	65,000	8 bits	-5 MHz
19 78	8086	29,000	16 bits	5 MHz
1982	80286	134,000	16 bits	6 MHz
1985	80386	275,000	32 bits	16 MH2
1989	80486	1,200,000	32 bits	25 MHz
1993	Pentium	3,100,000	32/64 bits	60 MHz
1997	Pentium I	7,500,000	64 675	233 MHz
1999	Pentium III	9,500,000	64 675	450 MHz
2000	Pentium TV	42,000,000	64 bits	1.5 GHz
2003	Pentium M	140,000,000	64 bits	2.13 GHz
2005	Pentium D	376,000,000	64 bits	3.73 GHZ
2006	Core 2 Duo	291,000,000	84 bits	1.2 GHz
		264 424		- 3 GHz
2007	Core 2 Quad	410,000,000	64 bits	2-4 GHZ
2009	Intel core :5	774,000,000	64 bits	2-6 GHZ
	- 750		0.1	
2010	Intel core is	382,000,000	64 bits	2.6 GHZ
1	-430M			
2010	Intel core i3	382,000,000	64 bits	2-936Hz
	-530			

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				-	
Year	Name	-Transistors	Data	Chock	
1600		1	width	Speed	
- 1	1 8028500 69080	IT to martule	va falled		
2010	Intel Core	382,000,000	64 bits	2.13 GH2	
	:3-330M				
2017	Intel Core	oferen-siste	64 bits	4.30 GHz	
Louge	19-7940X				
2017	Intel Core	-	64 bits	4.80 GHZ	
stim o	19-8950HX	0000	0808	PERM	
2019	Intel Core	000 %	64 bits	4.2 GiHz	
_ shm ë	75-10210 u	29 000	2808	14 24	
2019	Intel Core	1-34 00	64 bits	3.6 GHz	
SHM 9	13-100561	215,000	80386	St Pla	
2019	Intel Core	1200,00	64 bits	4.2. GHz	
SHH 03	13-9100F	3 100,00	Pentium	1993	
2019	Intel Core	189,000,000	64 bits	3-80 GHZ	
SO MHE	;5-9300H	0,002 P 1	[ Muthon ]	MARA	
2020	Intel Core	V 42-000, 0	64 bits	4.80 GHZ	
13 GHz	00701-7;	000 OP1 /	Pentium 1	1 2003	
SHO ET.	1 And 20 10	1,000, 8 + 8	(1 mills9)	1 2100	
2 GHZ	t 24:9 % 00	0 1 291,000,0	Core 2 PW	10000	
3 GH2	-				
4 (o. H.)		00,000,01P B	cope 2 Qua	F008	
SHA 2	00 64 Pik	5 774,000,0	tores lote	POGS	
			- 750		
5140 3	00 64 673 2	382,000,0	ciores lota	2 0108	
			1085-		



Q. no. 2 Define Transistors, Enlist type of Transistors
with its application - Transistors - A transistor is a semiconductor or switch electronic signals & electrical power. It is composed of semiconductor material usually with at least three terminals for connection to an external circuit. It is primary building block of all microchips, including our CPU. It is what creates the binary o's & 1's (6its) your computer uses to communicate 4 circuit. deal with Boolean logic. 2 main types of transistors: 1. BJT (Bipolar junction transistor) a PNP - PNP transistors are used as BNPN - A common application for NPN transistors is to use then as Switches in circuits in high

pover devices like motors

2. FET (Bfield Effect transistor)

= a] JEET - JEET is used as buffer amplifier , BMOSFET - MOSFET amplifiers are used in radio frequency application