Assignment No : 1

Q1] Convert decimal number 43 in Hexadecimal and BCD number system

$\Rightarrow$ i] $(43)_{10} = (?)_{16}$

$\Rightarrow$

16	43
	11	2 $\uparrow$
		11

$\therefore (43)_{10} = (B2)_{16}$

ii] $(43)_{10} = (0100\ 0011)_{BC}$

Q2] Add $(8899)_{10}$ & $(7766)_{10}$ in BCD

$\Rightarrow$

8899	=	1000	1000	1001	1001
7766	=	0111	0111	0110	0110

8899	$\Rightarrow$	1000	1000	1001	1001
+ 7766		0111	0111	0110	0110
		1111	1111	1111	1111	$\Rightarrow$ BCD

S. Compare computer Architecture and Computer organisation

Computer Architecture	Computer Organisation
① It deals with the way hardware Components are connected togethes to form a computer system	① It deal with the structure and behaviour of computer system as seen by user
② It act as interaction between hardware & software.	② It deals with the components level of a connection in a system.
③ It provides the understanding of functionalities at system level.	③ It explain the exact arrangement of units in the system is and their inter connection.
④ Architecture express in terms of instructions, addressing modes and registers	④ organisation express realization of architecture.
⑤ while designing a Computer system architecture is considered first.	⑤ An organisation is done on basis of architecture