Electronics lenga Tutorial of the T
That may sheet -1
Electronics regg Tuto rial Sheet - [ BJT
Q.L: In CB configuration Ic = 0.96 mA and IB = 40 NA  determine & and IE.  [K=0.96, IE=1mA]
determine & and IE.
(K=0.96) 1E-1m/F)
If the emile current of a tramillar is 8 mg
8.2: If the emitter current of a tramillar is 8 mA and IB is 1/100 of Ic, determine Ic and IB.
(Ic=7.92mA, 18=0.05 mm)  An npn transistor has $\beta = 100$ and bour to collector leakage  Current = 4MA. Calculate Ic if $P_8 = 40 MA$ [Pc = 4.404 ma].
current = 4HA. Calculate P. iL Pa = 4011A
(P - 1. day ma).
Q.4 If box current is 30 HA and the emitter current is 7.2 mA what are the values of x and p?
B= 239, <=09958
Q.5: In an npn traverstor X = 0.98, PE = 10 mA and leakage
current is Pego = 1 HA. Determine Pc, IB and PcEO.
[ 0:40 9:801 MA, 0.199 MA, SOMA]
Q6: find the value of back current of common some
Q6: Find the value of bour current if common bone DC current gain of BIT is 0.987 and PE=10 mA.  [PB=0.13 mA)
Q.7. The collector and bour current of npn transister.  ore 5 mA and 50HA respectively. If ICBO = 1 MA
are 5 mA and 50MA respectively of 1000
in find & B. PE
(ii) betermine the new level of IB required to produce
(ii) betermine the new level of IB required to produce  (I) Determine the new level of IB required to produce  (PB = 98.99 MA)
DB: The value of B for BIT = 18 100. If IE = 10 mA Than determine the values of Pc and PB.
determine the lattices of IP = 9.9mA, Pa=0.099
Q.9: Given that $\Delta pc = 0.987$ , determine the value of $Bc$ : $Bc = 75.92$
(!wan B = 120 ! II - co ! saturated in the
Old your of war I
Q.10: 9.10: [Xpc - 0.9]