Q.P. Code: 1485

	(3 Hour	Total Marks: 100	
N.B:	<ol> <li>Q.1 is compulsory.</li> <li>Attempt any four questions from</li> <li>Figure to be right indicate full m</li> </ol>		15 6 K
(a) (b) (c)	(i) Fan in (ii) Fan out (iii) Noise Draw all basic gates using NOR gate on Convert the following:  (i) $(1050)_{10} = ()_2$ (ii) (455) Compare microprocessor and microcont	) <sub>10</sub> = () <sub>2</sub> troller.	20
2. (a)	•		10
3. (a)	1		10
4. (a) (b)	( )		10 10
5. (a)	The state of the s		10
6. (a)	Manage		10 10
7.	Write short note on following (any four):  (i) Summing amplifier  (ii) De morgans Theorem  (iii) Half Adder circuit  (iv) V-I characteristics of SCR  (v) Flip-Flop		20
· mary	(vi) One bit memory cell		