	TECS KANISHK BHAT_20103233 B8
	Tut:-6
7.	Closure
	Associativoty
	Identity
	Tuylor
	1. e. 1 or if xe = -1. Zince -1 tocall
	have an inverse under + (P,*) is not + 3 rout.
2.	(A) a Ob & 6 + a, b & 6
	(b) (a 0 b) 0 c = a 0 (b o c) + a, be G
	(C): AO1 = A Va +. 6
	(d). The inverse dements of 1,3,7,9 Are 1,7,39 respected
	10 10 10 10 10 10 10 10 10 10 10 10 10 1
3.	abab = (262) Apply a from left & b from light w
	Obtain ba=ab for all a, b & Gr, Hence Gis abelian
A	(A, +, .) is A ring
	Then 20=0.2=0 for Al 2 is A. (2+2). 2 = 2.24
	$a \cdot a = a + a = a \cdot (a + a)$ hence $a + a = 0$.
	or (or) or) orange or
	$(a+b) \cdot (a+b) = a+b$
	a.a + a.b + b.a + b.b = a+6
	a+b·a+a·b+b=a+b
	Hence a. b+b. a=0
	Hence Commutative.

