

INTERNAL TEST**M.COM SEM-2 Business Research Methods****DATE: 27:02:2018, Tuesday TIME 9:30 to 10:30 TOTAL MARKS: 40****Que.1****(a) Attempt any one: (10)****1. Differentiate between Small sample and Large sample tests.****2. State uses of t test and explain any one in detail.****(b) Perform two way ANOVA on the data given below: (10)****(Use coding method by taking 40).****At 5% level of significance $F_{(2,6)}=5.15$, $F_{(3,6)}=4.76$**

Plot of land	Treatment			
	P	Q	R	S
A	45	40	38	37
B	43	41	45	38
C	39	39	41	41

O.R.**(a) Attempt any one:****1. What is mean by Analysis of Variance? Give assumptions of (10)****Analysis of Variance.****2. Explain : Sign test****(b) The sales data of an item is as below: Can the campaign is effective? (10)**

Shops	1	2	3	4	5	6
Before campaign	53	28	32	48	50	42
After campaign	58	32	30	50	56	45

Give your comments. .(At 5% level table value of t is 2.57 at 5 d.f.)