

Seat No. _____

No. of printed pages: 4

SARDAR PATEL UNIVERSITY

M.com (II SEM.) Examination

PB02ECOM27: Business Research Methods

Date: 3rd April 2018, Tuesday

Time: 10 A.M. To 1-00 P.M.

Total Marks: 70

SECTION:1

QUE.1

(a) Explain : (1) Point Estimation and Interval Estimation (8)

(2) Type I error and Type II error

(b) A coin is tossed 6 times and if it turns 4 or more times head then the (9)

Null hypothesis $H_0: P=0.25$ is rejected and the alternative hypothesis

$H_1: P=0.75$ is accepted. Find type one error and type two error.

O.R

(a) What is mean by Test of Attribute? Explain any one use of Test (8)
of Attribute.

(b) The average daily wage of 1000 workers of a factory A is Rs.47 with (9)
standard deviation of Rs. 28. The average daily wage of 1500 workers of
a factory B is Rs.49 with standard deviation of Rs. 40. Can it be said that
the average daily wage of factory B is more than the average daily wage of
factory A ? (At 5% level of significance table value of $Z=1.645$).

QUE.2

(a) Differentiate between Small Sample tests and Large Sample Tests (9)

(b) Perform a two way ANOVA on the data given below: (9)

Treatment II	Treatment I		
	I	II	III
A	30	26	38
B	24	29	28
C	33	24	35
D	36	31	30
E	27	35	33

Use Coding method subtracting 30 from given numbers.

(At 5% level of significance table value of $F_{(2,14)} = 4.46$, $F_{(4,14)} = 3.84$)

O.R

(a) What is mean of Analysis of Variance? Explain one way classification. (9)

7

(P.T.O.)