

2nd Month Examination – Autumn Term

Q1/ (40 marks)

From the follow result write the linear model, find ANOVA and compare between treatments means with Duncan. If you know SSR= 2.95, 3.10, 3.18, 3.25, 3.30, 3.34 and 3.36

T5=6	T3=6	T4=5	T2=4	T6=4	T1=4
T3=4	T1=4	T2=5	T6=4	T4=4	T5=5
T2=6	T6=5	T1=5	T5=5	T3=6	T4=5
T1=5	T5=5	T6=4	T4=5	T2=5	T3=4
T6=3	T4=5	T5=5	T3=4	T1=4	T2=4
T4=3	T2=3	T3=2	T1=3	T5=2	T6=3

Q2/ From the ANOVA table calculate R.E%. (20 marks)

S.O.V	d.f	S.S	M.S.	F cal
t	3	15459.56	5153.18	1.98
r	3	31776.92	10592.3	4.08
c	3	26913.25	8971.08	3.45
e	6	12975.33	2595.06	
T	15	87171.75		

Q3 / From the next table complete ANOVA. (40 marks)

A	B	Rep.			
a1	b1	1.5	1	2	1.4
a2	b1	5	8	6	5
a3	b1	3	2	1	1.5
a4	b1	1.4	1	2	2
a1	b2	1	1	1	2
a2	b2	6	7	6	7
a3	b2	2	1.5	3	2
a4	b2	1	3	2	1
a1	b3	2	1	2	1
a2	b3	6	7	6	6
a3	b3	3	2	1	2
a4	b3	2	3	2	1

Good Luck