	1st Stratum	
S.No.	$\mathbf{y}_{\mathrm{i}}$	y <sub>i</sub> <sup>2</sup>
1	1035	1071225
2	1020	1040400
3	1007	1014049
4	983	966289
5	951	904401
6	949	900601
7	907	822649
8	895	801025
9	885	783225
10	840	705600
11	832	692224
12	814	662596
13	807	651249
14	768	589824
15	714	509796
16	686	470596
Total	14093	12585749

	2 <sup>nd</sup> Stratum	
S.No.		y <sub>i</sub> <sup>2</sup>
1	<u>y<sub>i</sub></u> 653	426409
2	650	422500
3	644	414736
4	620	384400
5	618	
6	601	381924 361201
7		+
8	589	346921
	572	327184
9	572	327184
10	570	324900
11	551	303601
12	542	293764
13	541	292681
14	539	290521
15	534	285156
16	533	284089
17	523	273529
18	509	259081
19	480	230400
20	475	225625
21	475	225625
22	465	216225
23	455	207025
24	430	184900
25	416	173056
26	415	172225
27	412	169744
28	360	129600
29	346	119716
30	346	119716
31	318	101124
32	293	85849
33	286	81796
34	276	76176
35	262	68644
36	246	60516
37	245	60025
38	244	59536
39	225	50625
40	224	50176
41	223	49729
42	218	47524
43	216	46656
44	185	34225
45	166	27556
46	155	24025
47	126	15876
48	117	13689
Total	19461	9127385
10141	13401	121303

Signature Per Sheet(y <sub>i</sub> )	No. Of Sheets(f <sub>i</sub> )	$f_iy_i$	f <sub>i</sub> y <sub>i</sub> <sup>2</sup>
50	4	200	10000
48	7	336	16128
45	1	45	2025
43	2	86	3698
41	1	41	1681
39	3	117	4563
35	2	70	2450
32	2	64	2048
30	1	30	900
29	1	29	841
25	3	75	1875
22	2	44	968
16	5	80	1280
4	2	8	32
3	4	12	36
Total	40	1237	48525

Sr. No.	Page No.	No. Of Words(y <sub>i</sub> )	y <sub>i</sub> <sup>2</sup>	
1	44	24	576	
2	266	29	841	
3	516	13	169	
4	499	18	324	
5	158	31	961	
6	503	10	100	
7	628	20	400	
8	53	9	81	
9	90	36	1296	
10	302	15	225	
11	321	26	676	
12	623	22	484	
13	74	35	1225	
14	303	34	1156	
15	604	16	256	
16	24	8	64	
17	393	17	289	
18	252	10	100	
19	481	14	196	
20	210	21	441	
21	140	16	256	
22	529	17	289	
23	630	40	1600	
24	603	32	1024	
25	245	8	64	
26	113	30	900	
27	48	20	400	
28	211	19	361	
29	191	27	729	
30	343	13	169	
31	123	36	1296	
32	15	16	256	
33	250	24	576	
	Total	706	17780	

Treatments	Blocks			Treatments	T <sub>i</sub> <sup>2</sup>	
Combinations	I	II	III	IV	Totals(T <sub>i</sub> )	-,
1	-6	-3	0	-1	-10	100
k	-4	7	-9	2	-4	16
р	-7	11	-9	-5	-10	100
kp	9	9	1	5	24	576
Block	-8	24	-17	1	G = 0	
Totals(B <sub>i</sub> )			•00			
$\mathbf{B_{i}}^{2}$	64	576	289	1		

Yate's Method For 2 <sup>2</sup> Experiment						
Treatments Combination	Form 10tal Effects All Pleaks		$SS = (5) = (4)^2 / 4r$			
(1)	(2)	(3)	Totals (4)	(5) – (4) /4r		
1	-10	-14	0 = G	0		
k	-4	14	40 = [K]	100		
p	-10	6	28 = [P]	49		
kp	24	34	28 = [KP]	49		

Treatments Combination(1)	Treatments Total (2)	(3)	(4)	(5)	(6)
1	[1]	$[1] + [a] = \mathbf{u}_1$	$\mathbf{u1} + \mathbf{u2} = \mathbf{v1}$	v1 + v2 = w1	G.T.
a	[a]	$[b] + [ab] = u_2$	u3 + u4 = v2	v3 + v4 = w2	[A]
b	[b]	$[c] + [ac] = u_3$	u5 + u6 = v3	v5 + v6 = w3	[B]
ab	[ab]	$[bc] + [abc] = u_4$	$\mathbf{u7} + \mathbf{u8} = \mathbf{v4}$	v7 + v8 = w4	[AB]
c	[c]	$[a] - [1] = u_5$	u2 - u1 = v5	v2 - v1 = w5	[C]
ac	[ac]	$[ab] - [b] = u_6$	u4 - u3 = v6	v4 - v3 = w6	[AC]
bc	[bc]	[ac] - [c] = u7	u6 - u5 = v7	v6 - v5 = w7	[BC]
abc	[abc]	[abc] - [bc] = u8	$\mathbf{u8} - \mathbf{u7} = \mathbf{v8}$	v8 - v7 = w8	[ABC]