Name: Riffath Bin Mashrun Sterial: 10 ID: 20-42079-1

Ans to the Que Nos.4

1 }	2	3	4	5	Ç	7	8	9	10
5	8	7	10	7	6	9	11	4	2
11	12	13	A	15	16.	17	18	19	20
ヌ	ヌ	12	9	W.	3	ヌ	8	5	6
21	22	23	24	25			j	300	
7	6	9	11	4			7		
	ヌ	11 12 7 7 21 22	5 8 7 11 12 13 7 7 12 21 22 23	5 8 7 10 11 12 13 14 7 7 12 9 21 22 23 24	5 8 7 10 7 11 12 13 14 15 7 7 12 9 11 21 22 23 24 25	5 8 7 10 7 6 11 12 13 14 15 16 7 7 12 9 11 3 21 22 23 24 25	5 8 7 10 7 6 9 11 12 13 14 15 16 17 7 7 12 9 11 3 7 21 22 23 24 25	5 8 7 10 7 6 9 11 11 12 13 14 15 16 17 18 7 7 12 9 11 3 7 8 21 22 23 24 25	5 8 7 10 7 6 9 11 4 11 12 13 14 15 16 17 18 19 7 7 12 9 11 3 7 8 5 21 22 23 24 25

ها

Rani Domnunden	5	11	12	23	-
signals received	7	Z	7	9	

Here the Population Size, N=25 Sample = 4

sompling interval, K = 25 = 6.25 = 6.

Now, 1 to 6; and randon number is. 5

Formation total is

$$(2^{2}+2^{2}+2^{2}+2^{2}+3^{2})-\frac{(2+2+2+3)^{2}}{4}$$

Free estimate of sample means of estimates of mean =  $\sqrt{\sqrt{n}}$ 

The estimate of standard errior Population total is

 $\sqrt{(x)} = \sqrt{\sqrt{x}} - (25)^{2} + 0.25$ 
 $= 132.25$ 
 $x = \sqrt{\sqrt{x}} = \sqrt{134.25} = 11.46$ 

(b) Proportion,  $p = \frac{3}{4} = 0.75$ 

(Ang)

## Ans to the Que Nois 9.5

serial	1	2	3	4	5	6	7	8	9	10
observation	4	3	0	2	B	マ	4	3	2	0
serial number	11	12	13	14	15	16	17	18	19	20
observation		0	3	0	6	8	0	1	4	3
serial	21	22	23	24	25	26	27	28	29	30
0/sensadon	~ 2	6	3	ヌ	5	8	O,	2,	3	5

using by simple random sampling method

Random	11/4	16	9	12 1	10
Observation	. () (8	8	2	0	4

$$5^{2} = \frac{1}{h-1} \times \left[ \frac{5}{2} \times \frac{1}{2} - \frac{(\frac{5}{2} \times \frac{1}{2})^{2}}{5^{-1}} \right]$$

$$= \frac{1}{5-1} \left[ \frac{1}{12} + 8^{2} + 2^{2} + 6^{2} + 4^{2} \right] - \frac{1}{5} = \frac{1}{5} =$$

varience of sample mean. M(N)= N-n x52 36x5 x (10)2 =1.67 Hene, standared error of estimate of mean = Vi(n). = 41.67 -1.292 The estimate of standard error Population total is V(N)=N2 N(N)=(302×1.67 元 = VV(社) = V1503=38. ヌス

serial-10

Any to the are No-9,6 Herre, Propontion P = 0.45 Monits of erron, d= 0.1 5170, n = 22.Pa  $= \frac{0.967 \times 0.45 \times 0.55}{0.15}$ = 95.08  $\approx$  95 (Bb) Ans to the Que No.9.7

111	12								
renial number	1	2	3	4	5	6	7	8	T
Observation	lo	7	6	9	21	4	/	0	
serial number	9	10	11,	-	1.6	1	2	Z	
observation			1,5	15	13/	14	15-	16	-
	7	9	11	145	8	7	10	7	_
serial	17	18	19	20	21	22	1		
observation	6	9			_	4	23		
	6		11	14	2	ヌ	\overline{\text{\tint{\text{\tin}\text{\tex{\tex		
The state of				-					

Herre, N=23 and n=4 Using by simple randon samplings method,

Pospodays 11	16/19/12
Observation 11	7 7 45
52 -1 X	(112+72+72+452)-
	(11+7+2+45)27
1 , 7 3 3 9	-LZ 14
	sample mean; v(x)
= N-N:	
23 8 - 4	of the state of th
23×4 ×	339.67
= 70.15	
	A STATE OF THE STA

serial-10

standard error of astrocke of mean = Wir). = VZO.15 = 8.376 (Any)

And to the Que Nog. 8

Herre,

Proportion . P = 0.3

Margin of error = 0.05

517e; n = -22 Par

 $=\frac{(0.02)}{(1.00)}.\times0.3\times0.2$ 

= 322,694 ~3.23

(Ae)