

## Question-01(b)

COTO

Here used Delphi method. Because we know In Delphi method, the deputy head uped to take interviewe one by one in repenate noom. The Identity of all employee are hidden in this qualitative method. And here the Process are continuing till all employées annuers be name. like #teration. And for this reason here need a huge time to complete this Process. So, we can see find the similarity between the Process of Delphi method and this given scenario. So, It is a enample of Delphi method.

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L		-			Minney.

Year	Sales (y)	Time Period Indea (X)	X2	xy
2000	3912	1	11	3912
2001	3880	12	4	7760
2002	3758	3	9	11274
2003	3642	4	16	14568
2004	3627	115	25	18135
2005	3481	6	36	20886
2006	3349	7	49	23443
2007	3319	8 8 1/9	864	26552
2008	3121	9	81	28089
2009	3321	10	100	33210
2010	3312	11	121	36432
	3128	12	144	37536
Total= \(\Sigma\)		$\Sigma_X$	ZX~	> vv
	- 41850	1 78	650	2,61797 P.T.O

Question-02
Now,
$X = \frac{\sum x}{20} = \frac{78}{10} = 6.5$
Years Sales (Y) Interior SX
and;
$\frac{1}{\gamma} = \frac{\sum \gamma}{\gamma} = \frac{41850}{12} = 3487.5$
12 12 12 12 12 12 12 12 12 12 12 12 12 1
: We know that
2008 Mow that;
$b = \sum_{x \in \mathbb{Z}} x \times y - y \times y$
2006 13243 1 1 (X) 2 140 000 0000
= 2,61797 - 12x6.5 x 3487.5
08088 650 = 12×(6.5)2-1815 8008
2000 3921 40 41 1000
-71.52 SISS 010S
25 48 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TOTAL STATE WELL SELVIS TOTAL
the continue of the
1000000000000000000000000000000000000

Now, we have to find the value of as we know a = y - bx

$$\alpha = y - bx$$

$$= 3487.5 - (-71.52 \times 6.5)$$

$$= 3952.38$$

: Overall Trendline;

$$Y = a + bx$$
  
= 3952.38+(-71.52) $x$ = 3952.38 - 71.52 $x$ ----(i)

For year 3189;

The value of 
$$\chi$$
 is =  $(3189 - 2000) + 1$   
= 1190.

P.T. 0

From equation no 1; was swill work × = 3952.38-[71.52×1190] (2.) 78 = 156.42 (Result) : overall Torondline: Y = a + bx = 3952.38+(-11.52)11-378-3-9 = 2952.38-71.52M---0 : OSTE ELDER ELOY THE VILLE OF IL 5 = (3189 - 2000) + 1 - LLOO.