Method of moving Averages:

method of moving averaged is a very simple and flexible method of measuring trend. It consists in obtaining a series of moving averages, of successive overlapiping groups or sections of the time series.

Moving average is a technique to get overall idea of the trend in a data set.

we have the following two methods

- 1) moving average for three years.
- 2) moving average for Five years.

EX) 1) calculate three yearly moving averages for the following data.

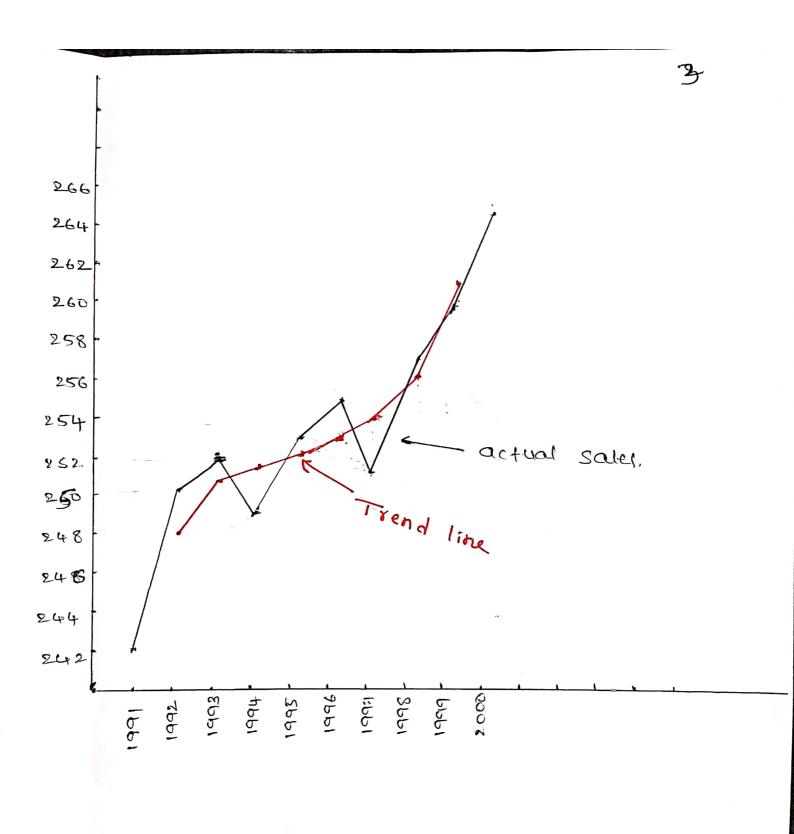
Year 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 Sales (1000 Rs)

Solution:

For the given data let us compute the trend values

by using moving average of period 3 years.

Yeon	(1000 PJ)	3- yearly moving Average totals.	Trend Values.
1991	242		_
1992	250	744	248
1993	252	751	250.3
1994	249	754	251.3
1995	253	757	252.3
1996	255	759	253
1997	251	763	254.3
1998	257	768	256
	260	782	260.7
1999	265		-
2000			



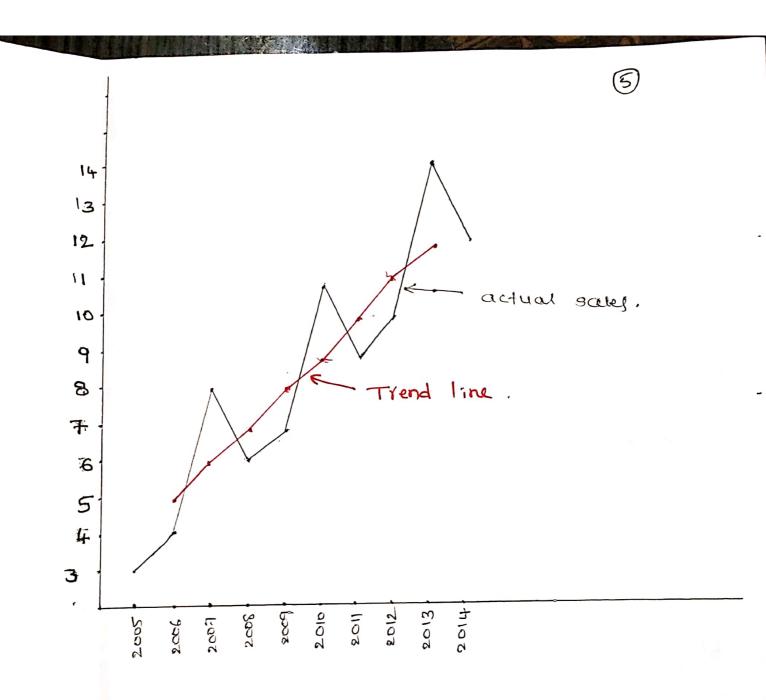
in million Ps

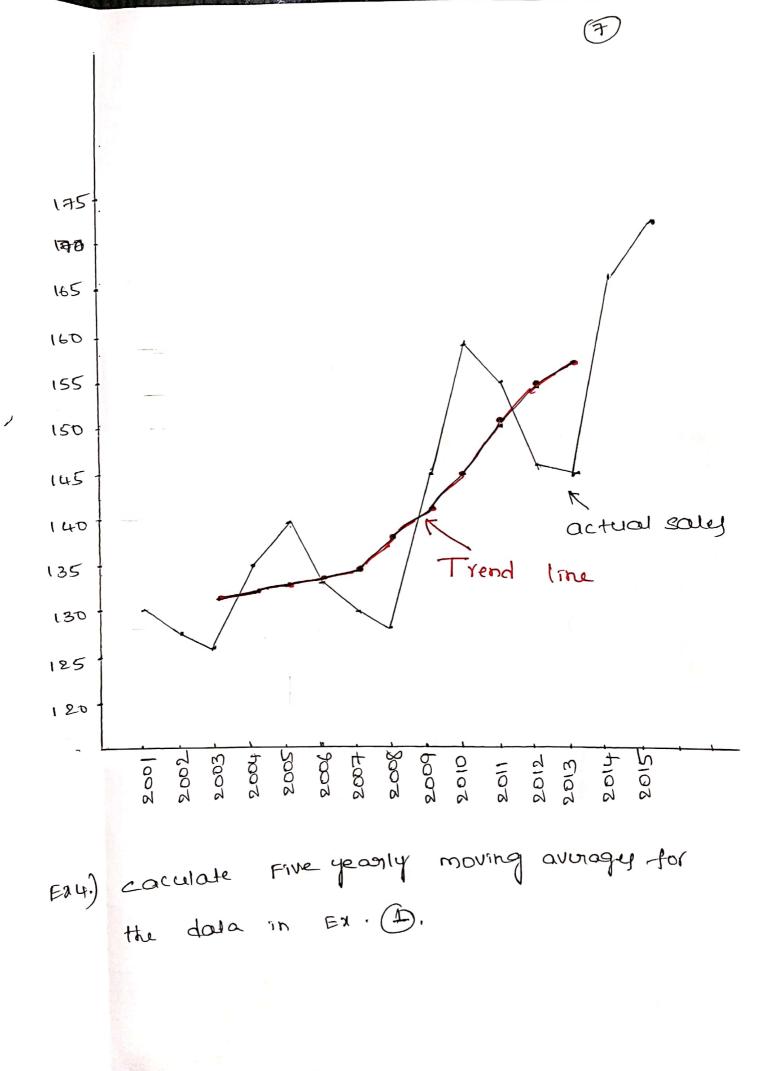
Veat; 2005 2006 2007 2008 2009 2010 2011 2013 2014

Salas: 3 4 8 6 7 11 9 10 14 12

determine the trend by 3 yearly moving average method.

1	Sales	3 yearly moving	3 yearly moving	
Yeary		avoage totals	Averaged Trend values.	
2005	3	grand.	_	
2006	4	15	5	
2007	5	18	6	
2008	د د	21	7	
2008	্ ন	24	8	
•		27	9	
2010	11		10	
2011	9	30		
2012	10	33	11	
2013	14	36	12	
	12	_		
2014				





	2		
Yean	sales	5 yearly Average	5 yearly moving Avg
700)		totay	Trend Value
1991	242	_	_
1992	250	_	_
1993	252	1246	249.2
1994	249	1259	251.8
१९१९	253	1260	252.0
1996	255	1265	253.0
1997	251	1276	255.2
1998	257	1288	257.6
1999	260	_	_
2000	265	<u> </u>	
يَ			
265		مو	
260			
		actu	oul scalet.
255			
250		Trend line	
245		i jeija tila	
247			
	1661	1993 1994 1996 1999 1999	
	1661	1993 1996 1996 1998 1998	