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Date Interpretation Table Chart Questions for Bank Clerk Pre Exams.

DI Table Chart Quiz 19

Direction: Study the following table carefully and answer the questions based on it.

Number of Articles (in thousands) Manufactured (M) and Defective (D) by 5 units of a company over the years

Year	UNIT									
	I		II		III		IV		V	
	M	D	M	D	M	D	M	D	M	D
1996	53	21	45	12	76	38	56	21	46	18
1997	49	18	32	10	45	24	63	24	36	14
1998	50	18	48	18	55	16	68	30	34	15
1999	65	20	68	15	57	20	54	19	48	12
2000	70	31	72	13	82	22	48	27	58	10
2001	44	15	56	22	38	32	40	15	60	1

1. What is the average number of defective items from Unit II for the given years?

A. 21,500   B. 17,000   C. 12,500   D. 15,000   E. None of these

2. What is the ratio of the total number of articles manufacture by Unit III to that by Unit V for all the years together?

A. 353 : 282   B. 282 : 353   C. 457 : 215   D. 215 : 457   E. None of these

3. What was the percentage (rounded off to nearest integer) of defective articles with respect to the number of articles manufactured by all the units together in the year 2001?

A. 42   B. 40   C. 37   D. 33   E. None of these

4. During which year was the percentage increase/decrease in manufacture from the previous year the highest for Unit I?

A. 1998   B. 2001   C. 1999   D. 1997   E. None of these

5. During which year was the largest percentage of articles defective out of the articles manufactured by Unit IV?

A. 1996   B. 1997   C. 1998   D. 1999   E. 2000

Correct Answers:

1	2	3	4	5
D	A	B	B	E

Explanations:

1.

Reqd. avg. = $\dfrac{12 + 10 + 18 + 15 + 13 + 22}{6}$

= $\dfrac{90}{6}$ = 15

∴   Average of defective articles in Unit II will be 15000.
Hence, option D is correct.

2.   Total no. of articles manufactured by Unit III = 76 + 45 + 55 + 57 + 82 + 38 = 353

Total no. of articles manufactured by Unit V = 46 + 36 + 34 + 48 + 58 + 60 = 282

Reqd. ratio = 353 : 282

Hence, option A is correct.

3.   Total no. of defective articles in 2001 = 15 + 22 + 32 + 15 + 11 = 95

Total no. of manufactured articles in 2001 = 44 + 56 + 38 + 40 + 60 = 238

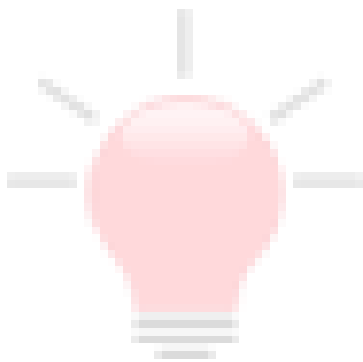Reqd. % = $\dfrac{95}{238}$ × 100% = 39.9% ≈ 40%

Hence, option B is correct.

4.   At first glance at the table we can infer that the two greatest percentage increase/decrease are happening in year 1999 and year 2001 and on further observation we can clearly conclude that it is the year 2001 in which the percent decrease is greater than percent increase happening in the year 1999.

Option B hence is the correct answer.

5.   In year 2000 the number of defective items is 27 and the base value is 48 which means the percentage of defective items is more than 50% (27 is greater than half of 48 which is 24) while in the other years the percentage of defective items don't go even beyond 50%.

Therefore we can pick Option E as the correct answer.