Date Interpretation Table Chart Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

DI Table Chart Quiz 76

Directions: Study the following table chart carefully and answer the questions given beside:

TATA, A car manufacturing company, has five manufacturing units A, B, C, D, and E in India where it manufactures two models of cars (Nano and Sumo). The following tables gives the information about the production capacity of the five manufacturing units of India for the year 2017. Capacity Utilization is the actual production in a year expressed as percentage of the Production Capacity of the given manufacturing units in that year.

	Nano		Sumo	
Manufacturing units	Production Capacity (In 1000 units)	Capacity Utilization (In %)	Production Capacity (In 1000 units)	Capacity utilization (In %)
A	36	40%	34	80%
B	32	50%	28	60%
C	20	80%	28	70%
D	60	30%	75	95%
E	42	90%	62	70%

1. Which manufacturing units has the absolute maximum difference between the total production of Nano and that of Sumo in the year 2017?

A. A B. B C. C D. D E. E

2. What is the difference between TATA's total production capacity of Nano and that of Sumo in the year 2017?

A. 37000 B. 27000 C. 18000 D. 42000 E. 42000

3. By what percentage (approximately) the capicity utilization of Nano manufacturing units A and E together is more or less than the capicity utilization of Sumo manufacturing units B and D in 2017?

A. 40% B. 45% C. 35% D. 25% E. 48%

4. What is the sum of the total number of cars manufactured by TATA in India in the year 2017?

A. 280250 B. 280450 C. 280350 D. 280540 E. None of these

5. The production capacity of TATA in India for Nano in the year 2017 is approximately what percent of the production capacity of TATA in India for Sumo in that year?

A. 55% B. 60% C. 74% D. 83% E. 92%

6. Suppose, in 2018 TATA open two more manufacturing units P and Q in India and utilize 100% capacity of those two new units and the capacity utilization of all other units in 2018 is same as that in 2017 then what would be the capacity utilization (approximately in the term of percentage) for Sumo in the year 2018? (It is given that the production capacity of units P and Q for Sumo in the year 2018 is 22000 and 25000 respectively.)

A. 60% B. 60% C. 54% D. 73% E. 82%

Correct Answers:

1	2	3	4	5	6
D	A	A	B	D	E

Explanations:

1. For unit A,
Total production of Nano = 40% of 36000 = 14,400
The total production of Sumo = 80% of 34000 = 27200
Difference = 12800

For unit B,
The total production of Nano = 50% of 32000 = 16000
The total production of Sumo = 60% of 28000 = 16800
Difference = 800

For unit C,
The total production of Nano = 80% of 20,000 = 16000
The total production of Sumo = 70% of 28000 = 19600
Difference = 3600

For unit D,
The total production of Nano = 30% of 60000 = 18000
The total production of Sumo = 95% of 75000 = 71250
Difference = 53250

For unit E,
The total production of Nano = 90% of 42000 = 37800
The total production of Sumo = 70% of 62000 = 43400
Difference = 5600
It is clear that the absolute difference is maximum for unit D
Hence, option D is correct.

2. TATA's total production capacity of Nano in the year 2017 = 36 + 32 + 20 + 60 + 42 = 190 thousand

TATA's total production capacity of Sumo in the year 2017 = 34 + 28 + 28 + 75 + 62 = 227 thousand

The required difference = 37 thousand

Hence, option A is correct.

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3. The capacity utilization for Nano in the year 2017 at A and E = 40% of 36k + 90% of 42k

= 14400 + 37800

= 14400 + 37800

= 52200

The capacity utilization for Sumo in the year 2017 at B and D = 60% of 28k + 95% of 75k

= 16800 + 71250

= 88050

Clearly, the capacity utilization of Nano is less than that of Sumo at given manufacturing units for 2017 by

= 35850

The req. percentage = (35850/88050) × 100% = 40%

Hence, option A is correct.

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4. The total of Nano manufactured in the year 2017 = 40% of 36 k + 50% of 32 k + 80% of 20 k + 30% of 60 k + 90% of 42 k = 102200

The total number of Sumo manufactured in the year 2017 = 80% of 34 k + 60% of 28 k + 70% of 28 k + 95% of 75 k + 70% of 62 k = 178250

Required sum = 280450

Hence, option B is correct.

5. TATA's total production capacity of Nano in the year 2017 = 36 + 32 + 20 + 60 + 42 = 190 thousand

TATA's total production capacity of Sumo in the year 2017 = 34 + 28 + 28 + 75 + 62 = 227 thousand

Reqd. % = $\frac{190 \times 100}{227}$ = 83% approximately

Hence, option D is correct.

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6. TATA's total production capacity of Sumo in the year 2017 = 34 + 28 + 28 + 75 + 62 = 227 thousand

In 2018, The total production capacity = 227 + 22 + 25 = 274 thousand

The total capacity utilization for Sumo in the year 2017 = 80% of 34 k + 60% of 28 k + 70% of 28 k + 95% of 75 k + 70% of 62 k = 178250

Therefore, The total capacity utilization for sumo in the year 2018 = 178250 + 22000 + 25000 = 225250

The total capacity utilization for Sumo in the year in term of percentage

= $\frac{225250 \times 100}{274000}$ = 82 % approximately

Hence, option E is correct.