

**THE HARDER THE CONFLICT
THE MORE GLORIOUS
THE TRIUMPH**



**GLADIATOR
SERIES**

 **CLAT 2022** 

LAST MINUTE PREP DOSE

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**SECTIONAL
PRACTICE MOCK**

QUANTITATIVE TECHNIQUES

VMTC2262

VIDHIGYA

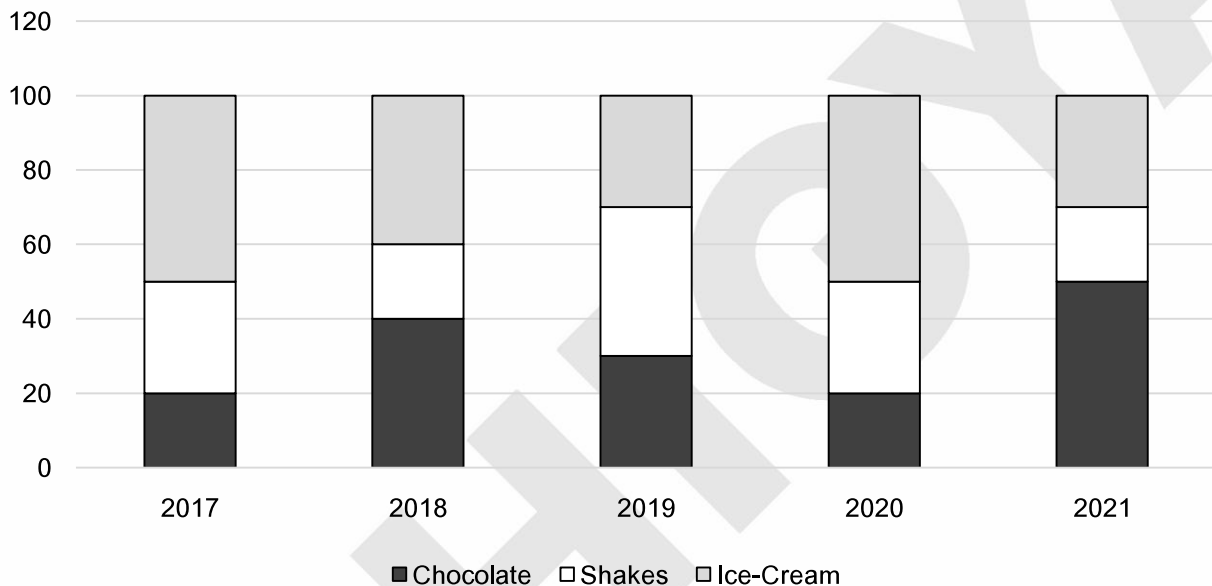
VIDHIGYA

VMTC2262

Quantitative Techniques

Directions (1 - 5): Read the following information carefully and answer the questions that follow.

'Vidhan Manufacturing Company (VMC)' produces three types of products – Chocolates, Ice-Cream and shakes. The total no. of products produced each year is same. Given below is the percentage production of a particular item out of the total items produced in that year.



- In 2017, the number of Chocolate produced by the 'VMC' is what percent more or less than Ice-Cream produced in the year 2020?
(a) 50 (b) 30 (c) 40 (d) 60
- If production in the year 2021 was 2,80,000. Find the difference between the number of Chocolate produced in 2021 and Shake produced in 2018?
(a) 48000 (b) 73000 (c) 84000 (d) 38000
- Find the ratio between the number of Ice-cream items produced in 2021 and the number of chocolate produced in 2017.
(a) 2:1 (b) 3:2 (c) 5:4 (d) 6:5
- The difference between 'Chocolate' and 'Shake' produced by the 'VMC' in 2018 is 50000. Find the average of 'Chocolate' and 'Ice-cream' items produced by the 'VMC' in 2017?
(a) 87500 (b) 78500 (c) 57800 (d) 75800
- Find the total production in 2020 if there is an increase of 20% in total production in 2020 compared to the previous year given that the number of Shakes produced in 2019 was 32000?
(a) 64000 (b) 80000 (c) 96000 (d) 12800

Directions (6 - 10): Read the following information carefully and answer the questions that follow.

In a city, there are three companies — 'Vidhi', 'Vidhan', and 'Vidya' and they produce a particular item in two different types 'X' and 'Y'. Total number of items of both types produced by all three companies is 62000 and total no. of items of type 'X' and 'Y' produced by company 'Vidhi' is 15200. The ratio of the numbers of type 'X' to type 'Y' items produced by 'Vidhi' is 9: 10. Type 'X' items produced by Company 'Vidhan' is 175% of type 'X' items produced by 'Vidhi'. Total items (both 'X' and 'Y') produced by 'Vidhan' is 150% of total items produced by 'Vidhi'. The number of type 'X' items produced by 'Vidya' is 20% more than the number of type 'Y' items produced by 'Vidhi'.

6. Find the total no. of type 'X' items produced?
(a) 27300 (b) 28200 (c) 29400 (d) 32600
7. Find the total no. of type 'Y' items produced?
(a) 27300 (b) 28200 (c) 29400 (d) 32600
8. If out of the total items of type 'X' produced by Vidhi, 15% are defective then find the no. of non-defective articles.
(a) 6920 (b) 6420 (c) 6120 (d) 1080
9. A transporting vehicle was carrying all the items produced by Vidya to another city, but 4.16% of the items got damaged in the transportation process. Find the no. of items that got damaged.
(a) 1587 (b) 1473 (c) 1289 (d) None of the above
10. The no. of items of type 'X' produced by Vidhan is what percent of the total items produced by all three?
(a) 20.32% (b) 23.42% (c) 25.62% (d) 28.22%

Directions (11 - 15): Read the following information carefully and answer the questions that follow.

A survey was conducted over a certain group of people. They were asked a question regarding the dessert they like out of 'A', 'B', 'C' and 'D'. 18 people said that they like only 'A' dessert, 12 people said that they like only 'B', 9 people said that they like only 'C' and 8 people said that they like only 'D'. The no. of people who like all four desserts is 5. The no. of people who like only 'A' and 'C' is 15. The no. of people who like only 'B' and 'C' is 11. The no. of people who like only 'A' and 'D' is 14. The no. of people who like only 'B' and 'D' is 13. The no. of people who like only 'A', 'B' and 'C' is equal to no. of people who like only 'B', 'C', 'D' which is further equal to no. of people who like only 'A', 'B', and 'D' and is equal to the no. of people who like only 'A', 'C' and 'D' and is equal to 10. The no. of people who like only 'A' and 'B' is equal to the no. of people who like only 'B' and 'D'. The no. of people who like only 'C' and 'D' is equal to the no. of people who like only 'A' and 'D'.

11. Find the total no. of people who like dessert 'A'.
(a) 18 (b) 31 (c) 65 (d) 95
12. Find the no. of people who like both the desserts C and D.
(a) 14 (b) 39 (c) 90 (d) 129
13. Find the no. of people who like at-least three desserts.
(a) 35 (b) 40 (c) 45 (d) 50
14. Find the no. of people who like exactly two desserts.
(a) 80 (b) 63 (c) 47 (d) 5
15. What is the total no. of people who liked at-least one dessert?
(a) 192 (b) 182 (c) 172 (d) 162

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VMTC2262 MOCK

LIVE MOCK ANALYSIS SESSIONS

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