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निश्चित रूप से
सर्वश्रेष्ठ टेस्ट सीरीज



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DI table Chart Questions for RBI Assistant Pre, IBPS Clerk Pre, SBI Clerk Pre, LIC Assistant Pre and IBPS RRB Assistant Pre Exams.

DI Table Chart No. 122

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

The table given shows the total number of students of a college and the number of girls who are studying in four different courses – B.com, B.sc, M.sc and M. Com in 3 different years.

Year → Courses ↓	2018		2019		2020	
	Total number of students	Total number of girls	Total number of students	Total number of girls	Total number of students	Total number of girls
B.com	800	500	900	450	760	400
B.sc	1600	400	1800	1000	1500	700
M.sc	1400	600	1500	700	1040	400
M.com	1200	600	1300	600	800	200

- 1. What is the average number of boys studying in all the four courses in the year 2019?**
A. 586.5 B. 687.5 C. 734.5 D. 492.5 E. 484.5
- 2. By what percentage is the number of boys studying in all four courses of the college in the year 2018 more than that of the number of girls studying in all four courses in the same year?**
A. 35.09% B. 34.09% C. 38.09% D. 32.09% E. 30.09%
- 3. What is the respective ratio between the total number of boys studying in courses B.sc and M.com together in the year 2018 to that of the total number of students studying in courses B.sc and M.com together in the year 2019?**
A. 17 : 41 B. 18 : 23 C. 19 : 33 D. 18 : 31 E. 17 : 21
- 4. What is the difference between the total number of girls studying in all four courses in the year 2018 and that of the total number of boys studying in all four courses in the year 2020?**
A. 400 B. 500 C. 650 D. 340 E. 300
- 5. In 2018, 20% of boys left B.Com course and 30% of girls left M.Sc course in the same year. Rest of the students completed the course. Find the ratio of the number of boys who completed B.Com course in the year 2018 to the number of girls who left M.sc course in the same year?**
A. 4 : 3 B. 3 : 2 C. 5 : 3 D. 7 : 4 E. 4 : 1

Correct Answers:

1	2	3	4	5
B	C	D	E	A



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Explanations :

1. Boys studying in all the four courses in 2019 = $(900 - 450) + (1800 - 1000) + (1500 - 700) + (1300 - 600)$
= $(450 + 800 + 800 + 700) = 2750$

$$\text{Reqd. average} = \frac{2750}{4} = 687.5$$

Hence, option B is correct.

2. Total number of students studying in all four courses in 2018 = $(800 + 1600 + 1400 + 1200) = 5000$

Number of girls studying in all four courses in 2018 = $(500 + 400 + 600 + 600) = 2100$

Number of boys studying in all four courses in 2018 = $(5000 - 2100) = 2900$

$$\text{Reqd. \%} = \frac{(2900 - 2100) \times 100}{2100} = 38.09\%$$

Hence, option C is correct.

3. Boys studying in courses B.Sc and M.com in 2018 = $(1600 - 400) + (1200 - 600) = (1200 + 600) = 1800$

Total students studying in courses B.sc and M.com in 2019 = $(1800 + 1300) = 3100$

$$\text{Reqd. ratio} = \frac{1800}{3100} = 18 : 31$$

Hence, option D is correct.

4. Number of girls studying in all four courses in 2018 = $(500 + 400 + 600 + 600) = 2100$

Number of boys studying in all four courses in 2020 = $(760 - 400) + (1500 - 700) + (1040 - 400) + (800 - 200) = (360 + 800 + 640 + 600) = 2400$

Required difference = $(2400 - 2100) = 300$

Hence, option E is correct.



5. In 2018, boys studying B.Com = $(800 - 500) = 300$

20% of them left i.e., = 20% of 300 = 60

Boys who completed the course = $(300 - 60) = 240$

Girls studying M.sc course = 600

30% of girls left i.e., = 30% of 600 = 180

$$\text{Reqd. ratio} = \frac{240}{180} = 4 : 3$$

Hence, option A is correct.



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