BLOGS

Sample Quantitative Techniques Passages for CLAT 2024

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Go through the passages and the relevant data mentioned below and answer the following questions:

A. Answer the following questions based on the information provided below-

In a college, Year 1 and Year 2 are divided into six sections- A, B, C, D, E and F- each. There are 50 students in each section of the class. In sections A, B and C of Year 1, the girls to boys ratio is 2:3. In sections D and E, the girls to boys ratio is 3:7. On the other hand, there are an equal number of boys and girls in section F of Year 1. The number of boys in the Sections A and B of Year 2 is 80% and 90% of the number of boys in Sections A and B of Year 1. The number of girls in the other sections of Year 2 is 60% of the number of boys in the respective sections of the Year 1.

1. What is the total number of girls in sections A, B and C of Year 1?

a) 30
b) 45
c) 60
d) 90

2. What percentage of boys from Year 2 belong to Sections D and E?

a) 30
b) 24
c) 28
d) 33

3. What is the ratio of the number of girls in Section F of Year 1 and Year 2 respectively?

a) 5:3

b) 11:9

c) 10:9

d) 4:3

4. What is the difference between the total number of boys in Year 1 and 3 together and the total number of girls of Year 1 and 2 together?

a) 111

b) 158

c) 122

d) 132

5. If 80% of boys and 60% of girls from Year 1 take commerce in their course, then approximately what percentage of students did not opt for commerce?

a) 35.4%

b) 43.33%

c) 27.67%

d) 37.77%

Answers

1. c

2. d

3. a

4. c

5. c

B. Akash had Rs.30,000 with him, out of which he invested a certain amount in a bank under Scheme A at compound interest, calculated annually and he earned an interest of Rs.1980 in the second year and Rs.2178 in the third year. He invested the remaining amount in Scheme B, which had double the rate of interest as Scheme A and the compound interest was calculated half-yearly.

1. What is the rate of interest in Scheme A?

a) 10%

b) 11%

c) 12%

d) 15%

2. What was the interest earned by the amount invested in Scheme A in the first year?

a) 1240

b) 2400

c) 1800

d) 1960

3. What was the amount invested in Scheme B?

a) 12000

b) 18000

c) 14500

d) 13000

4. What was the total interest earned from Scheme B in two years?

a) 5549.5

b) 5129.4

c) 5569.2

d) 6959.8

5. The interest earned from the amount invested in Scheme B is what percentage more or less than the interest earned from the amount invested in Scheme A at the end of first

year?

a) 20

b) 10

c) 25

d) 40

Answers

1. a

2. c

3. a

4. c

5. d

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