BLOGS

Sample Questions for CLAT 2023: Quantitative Techniques

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SAMPLE QUESTIONS

Questions 1-5: Answer based on the following data.

Mrs. A deposits a certain sum of money with a bank at the beginning of the year. The bank decides to calculate the interest on the principal amount at 10% p.a. simple interest. At the end of the 1st year, she deposits another sum of Rs. 12,000 and also deposits the interest that she was to receive. She withdraws nothing.

At the end of the 2 nd year, she deposits no amount. Rather, she withdraws the interest for the 2 nd year along with 25% of the principal amount. At the end of the 3rd year as well, she does not deposit anything. She withdraws the interest for the 3rd year and one-third of the balance amount.

At the end of the fourth year, she earns an interest of Rs. 5,000 and she withdraws all the remaining amount along with the interest.

1. What is the initial amount (in Rs.) deposited by Mrs. A?

e) 88,000
f) 90,000
g) 80,000
h) 98,000

Correct Option: c

2. What is the difference (in Rs.) between the amount she withdraws at the end of the 2 nd
and 3rd year, respectively (excluding interest)?

a) 5,000

b) 2,000

c) 8,000

d) No Difference

Correct Option: d

3. What is the total interest (in Rs.) that Mrs. A earns over the four years?

a) 31,500

b) 30,500

c) 29,500

d) 32,500

Correct Option: b

4. Had Mrs. A not deposited the sum of Rs. 12,000 at the end of the first year, what amount
of interest (in Rs.) would she earn, at the end of the 2 nd year?

a) 8,800

b) 8,600

c) 8,000

d) 8,400

Correct Option: a

5. If she had not withdrawn or deposited any money over the four years, what would her initial principal money amount to (in Rs.) at the end of the 4 years?

a) 1,12,000

b) 1,22,000

c) 1,02,000

d) 1,32,000

Correct Option: a

Questions 6-10: Answer based on the following data.

In a class of 1200 students, the ratio of number of girls to boys is 3:2. Three sports are played in the school- Cricket, Football and Basketball. One-sixth of the boys play Basketball. The remaining number of boys play Football and Cricket in the ratio 2:3 respectively. One-third of the girls play Football. The remaining number of girls play Cricket and Basketball in the ratio 5:3 respectively.

6. What is the total number of Football players in the school?

a) 420
b) 450
c) 400
d) 410

Correct Option: c

7. What is the difference between the number of boys who play Cricket and the number of
girls who play Basketball?

a) 120
b) 80
c) 100
d) 60

Correct Option: d

8. Number of students playing Cricket is what percent more than the number of students playing Basketball?

a) 117.69%
b) 107.69%
c) 127.69%
d) 97.69%

Correct Option: b

9. If in the next academic year 300 students, boys and girls in the ratio 1:2 respectively, leave and another 600 students, boys and girls in the ratio 2:1, what will be the change in the number of students playing Football?

a) 200

b) 120

c) No Change

d) Cannot be determined

Correct Option: d

10. How many girls need to leave Cricket and start playing Football so that they are both equal to each other?

a) 30

b) 60

c) 15

d) 45

Correct Option: a

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