

## Examrace

# Aptitude Logical Reasoning Simple Interest 2020 Competitive Exams Part 9

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1. A person invests money in three different schemes for 6 years, 10 years and 12 years at 10 % , 12 % , and 15 % . Simple interest respectively. At the completion of each scheme, he gets the same interest. The ratio of his investments is

- A. 2 : 3 : 4
- B. 3 : 4 : 2
- C. 3 : 4 : 6
- D. 6 : 3 : 2

Answer: D

2. Simple interest on Rs.500 for 4 years at 6.25 % per annum is equal to the simple interest on Rs. 400 at 5 % per annum for a certain period of time. The period of time is?

- A. 4 Years
- B. 5 years
- C.  $6\frac{1}{4}$  years
- D.  $8\frac{2}{3}$  years

Answer: C

3. A borrows Rs.800 at the rate of 12 % per annum. Simple interest and B borrows Rs.910 at the rate of 10 % per annum simple interest. In how many years will their amounts at debts be equal?

- A. 18 years
- B. 20years
- C. 22 years
- D. 24 years

Answer: C

4. Rs.6000 becomes Rs.7200 in 4 years at a certain rate of interest. If the rate becomes 1.5 times of itself. The amount of the same principle in 5 years will be?

- A. Rs.8000
- B. Rs.8250
- C. Rs.9000
- D. Rs.9250

Answer: B

5. Shruti took a loan at simple interest at 6 % in the first year with an increase of 0.5 % in each subsequent year. She paid Rs. 3375 as interest after 4 years. How much loan did she take?

- A. Rs.12500
- B. Rs.15800
- C. Rs.33250
- D. Cannot be determined

Answer: A

6. At what rate of simple interest a certain sum will be doubled in 15 years?

- A.  $\frac{51}{2}$  % p.a
- B. 6 % p.a
- C.  $6\frac{2}{3}$  % p.a
- D.  $7\frac{1}{2}$  % p.a

Answer: C

7. A certain sum is interested in simple interest if it triples in 10 years. What is the rate of interest?

- A. 18 % p.a
- B. 20 % p.a
- C. 22 % p.a
- D. 25% p.a

Answer: B

8. In how many years a sum will be thrice of it at the rate of 10% per annum?

- A. 15 years
- B. 20 Years

C. 30 years

D. 40 years

Answer: B

9. A man invests  $\frac{1}{3}$  of his capital at 7 % p.a  $\frac{1}{4}$  at 8 % p.a and the remainder at 10 % p.a. if his annual income is Rs.561 the capital is?

A. Rs.5400

B. Rs.6000

C. Rs.6600

D. Rs.7200

Answer: C

10. The sum of money that will give Rs.1 as simple interest per day at the rate of 5 % per annum is?

A. Rs.730

B. Rs.3650

C. Rs.7300

D. Rs.36500

Answer: C

11. A certain sum of money becomes three times of itself in 20 years at simple interest in how many years does it become double of itself at the same rate?

A. 8 years

B. 10 Years

C. 12 years

D. 14 years

Answer: B

12. If the simple interest on a certain sum of money for 15 months at  $7\frac{1}{2}$  % p.a exceeds the simple interest on the same sum for 8 months at  $12\frac{1}{2}$  % p.a by Rs. 32.50 . The sum is

A. Rs.312

B. Rs. 312.50

C. Rs.3120

D. Rs. 3120.50

Answer: C

13. Rs.2000 amount to Rs. 2600 in 5 years at simple interest if the interest rate were increased by 3 % . It would amount to how much?

A. Rs.2900

B. Rs.3200

C. Rs.3600

D. None of these

Ans: A

14. If the annual rate of simple interest increases from 10 % to  $12\frac{1}{2}$  % a man's annual income increases by Rs. 1250. The principle is?

A. Rs. 4500

B. Rs.50000

C. Rs.60000

D. Rs.65000

Answer: B

15. Simple interest on a certain sum at a certain amount and rate of interest is  $\frac{25}{16}$  of the sum. If the numbers representing rate percent and time in years be equal than rate percent per annum is?

A. 8 %

B.  $11\frac{1}{2}$  %

C.  $12\frac{1}{4}$  %

D.  $12\frac{1}{2}$  %

Answer: D