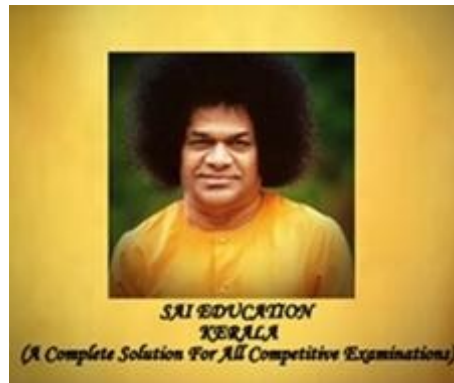


108 DAYS ONLINE COACHING FOR MISSION 2020, DAY[77], 04/11/2020, WEDNESDAY

MATHS [SIMPLE INTEREST & COMPOUND INTEREST]



NAME OF THE CANDIDATE *

M2

PLACE OF THE CANDIDATE *

Kannur

WHATS APP NUMBER (JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM) *

111

QUESTIONS

PLEASE WATCH THE ONLINE CLASSES CAREFULLY AND ANSWER THE FOLLOWING QUESTIONS

<https://youtu.be/pxstU9qivfs>
<https://youtu.be/TckuHeyPiWc>
<https://youtu.be/uIRCCtVA3D8>

1. Mr. Roy invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be Rs. 3508, what was the amount invested in Scheme B? *

- (A) Rs. 6400
- (B) Rs. 6500
- (C) Rs. 7200
- (D) Rs. 7500

2. How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest? *

- (A) 3.5 years
- (B) 4 years
- (C) 4.5 years
- (D) 5 years

3. A sum of Rs. 725 is lent in the beginning of a year at a certain rate of interest. After 8 months, a sum of Rs. 362.50 more is lent but at the rate twice the former. At the end of the year, Rs. 33.50 is earned as interest from both the loans. What was the original rate of interest? *

- (A) 3.6%
- (B) 4.5%
- (C) 5%
- (D) None of these

4. A certain amount earns simple interest of Rs. 1750 after 7 years. Had the interest been 2% more, how much more interest would it have earned? *

- (A) Rs. 35
- (B) Rs. 245
- (C) Rs. 350
- (D) Cannot be determined

5. Ravi took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest? *

- (A) 3.6
- (B) 6
- (C) 18
- (D) None of these

6.S.I. on Rs. 1500 at 7% per annum for a certain time is Rs. 210. Find the time? *

1 point

- (A) 3 years
- (B) 5 years
- (C) 2 years
- (D) 1½ years

7.A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. The sum is: *

1 point

- (A) Rs. 650
- (B) Rs. 690
- (C) Rs. 698
- (D) Rs. 700

8..The difference between compound interest and simple interest on a certain sum for 2 years at 10 % is Rs. 25. The sum is *

1 point

- a) Rs. 1200
- b) Rs. 2500
- c) Rs. 750
- d) Rs. 125

9. Mihir's capital is $\frac{5}{4}$ times more than Tulsi's capital. Tulsi invested her capital at 50 % 1 point per annum for 3 years (compounded annually). At what rate % p.a. simple interest should Mihir invest his capital so that after 3 years, they both have the same amount of capital? *

- a) $\frac{20}{3}$ %
- b) 10 %
- c) $\frac{50}{3}$ %
- d) 1.728 %

10. The difference in simple interest and compound interest on a certain sum of money 1 point in 3 years at 10 % p.a. is Rs. 372. The sum is *

- a) Rs. 8000
- b) Rs. 9000
- c) Rs. 10000
- d) Rs. 12000

11. Sahil's capital is $\frac{1}{6}$ times more than Chaya's capital. Chaya invested her capital at 20 % per annum for 2 years (compounded annually). At what rate % p.a. simple interest should Sahil invest his capital so that after 2 years, they both have the same amount of capital? *

- a) 10%
- b) $11\frac{5}{7}$ %
- c) 20%
- d) $13\frac{5}{7}$ %

12. The difference in simple interest and compound interest on a certain sum of money in 2 years at 18 % p.a. is Rs. 162. The sum is *

- a) Rs. 4000
- b) Rs. 5200
- c) Rs. 4250
- d) Rs. 5000

13. A father left a will of RS.16400 for his 2 sons aged 17 and 18 years. They must get equal amount when they are 20 years, at 5% compound interest. Find the present share of the younger son? *

- A) RS.8000
- B) RS.8200
- C) RS)8400
- D) RS)8800

14. A sum of money put at compound interest amounts in 2 years to RS.672 and in 3 years RS.714. The rate of interest per annum is ? *

- 5.5%
- 6.0%
- 6.25%
- 6.75%

15. Albert invested amount of 8000 in a fixed deposit for 2 years at compound interest rate of 5 % per annum. How much Albert will get on the maturity of the fixed deposit. 1 point

*

- Rs. 8510
- Rs. 8620
- Rs. 8730
- Rs. 8820

16. A man saves Rs 200 at the end of each year and lends the money at 5% compound interest. How much will it become at the end of 3 years. 1 point

*

- Rs 662
- Rs 662.01
- Rs 662.02
- Rs 662.03

17. Find the compound interest on Rs.16,000 at 20% per annum for 9 months, compounded quarterly 1 point

*

- Rs 2520
- Rs 2521
- Rs 2522
- Rs 2523

18. The present worth of Rs. 169 due in 2 years at 4% per annum compound interest is * 1 point

- Rs 155.25
- Rs 156.25
- Rs 157.25
- Rs 158.25

19. Raju invested Rs. 77500 in ICICI bank. In two years how much compound interest will he get, if the first year rate of interest was 10% and second year had 2% more than first year? * 1 point

- a. Rs. 17850
- b. Rs. 17980
- c. Rs. 18963
- d. Rs. 16880

20. Shamik had invested same amount of sums at simple as well as compound interest. The time period of both the sums was 2 years and rate of interest too was same 4% per annum. At the end, he found a difference of Rs. 50 in both the interests received. What were the sums invested? * 1 point

- a. Rs. 32550
- b. Rs. 35750
- c. Rs. 30000
- d. Rs. 31250

21. What annual payment will discharge a debit of RS.7620/- due in 3 years at 16 2/3% per annum compound interest? * 1 point

- A) RS.3540
- B) RS.3430
- C) RS.5348
- D) RS.4582

22. A sum of money becomes 4500/- after 2 years and 6750/- after 4 years compounded annually. Find the principal amount? * 1 point

- A) 3500
- B) 4500
- C) 3000
- D) 4000

23. A sum of RS.2400/- becomes RS.3000/- in 3 years at a certain rate of compound interest. What will be the amount after 6 years? * 1 point

- A) RS.3725
- B) RS.3750
- C) RS.3725
- D) RS.3700

24. A sum of money becomes 16,000/- in 4 years and RS.18,522/- in 7 years. Find the rate of interest compounded annually? *

1 point

- A) 5%
- B) 6%
- C) 7%
- D) 8%

25. The difference between simple interest and compound interest for RS.50,000 for 2 years is RS.720/-. Then what will be the rate of interest? *

1 point

- A) 8%
- B) 10%
- C) 12%
- D) 14%

THANK YOU

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