

ARITHMETIC

Interests – Simple & Complex

For students preparing for MAH-B.BCA/BBA/BMS/BBM CET 2024 for admission to BCA, BBA, BMS, BBM

- The value of a machine depreciates at the rate of 10% per annum. It was purchased 3yr ago. If its present value is Rs 26389.80, the purchase price of the machine (in rupees) was
 - 32000
 - 36200
 - 35700
 - 35600
- The difference between the interests received from two different banks on Rs 5000 for 2 yrs. is Rs. 25. The difference between their rates is
 - 1%
 - 2.5%
 - 0.5%
 - 0.25%
- A sum of money on compound interest amount to Rs 9680 in 2 yr and to Rs 10648 in 3 yr. The rate of interest per annum is
 - 5%
 - 10%
 - 15%
 - 20%
- The difference between the simple interest and compound interest for 2 yrs. at 4% per annum is Rs 20. The principal amount (in rupees) will be
 - 12000
 - 12500
 - 13000
 - 13500
- Find the simple interest on 5200 Rs. For 2 years at 6% Per annum.
 - Rs. 550
 - Rs.656
 - Rs.624
 - Rs.496
- A man took loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay Rs. 5400 interest only for the period. The principal amount borrowed by him was:
 - Rs. 2000
 - Rs. 10,000
 - Rs. 15,000
 - Rs. 20,000
- 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?
 - Rs. 35
 - Rs. 245
 - Rs. 350
 - Cannot be determined
- The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is Re. 1. The sum is:
 - Rs 600
 - Rs 645
 - Rs 525
 - Rs 625
- Mungeri Lal has two investment plans- A and B, to choose from. Plan A offers interest of 10% compounded annually while plan B offers simple

interest of 12% per annum. Till how many years is plan B a better investment?

- A. 3
- B. 4
- C. 5
- D. 6

10. What is the simple interest rate percentage per annum that a sum of money triples itself in 25 years?

- A. 2%
- B. 4%
- C. 6%
- D. 8%

11. The compound interest on a certain sum of money for 2 years is Rs. 208 and the simple interest for the same time at the same rate is Rs. 200. Find the rate %.

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

12. The simple interest on a certain sum for 3 years is Rs. 225 and the compound interest on the same sum for 2 years is Rs. 165. Find the rate percent per annum.

- A. 20 %
- B. 2.5 %
- C. 5 %
- D. 15 %

13. The difference in simple interest and compound interest on a certain sum of money 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

14. 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. $13\frac{5}{7}\%$

15. The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is Re. 1. The sum (in Rs.) is:

- A. 625
- B. 630
- C. 640
- D. 650

Answer Key

1. B	2. D	3. B	4. B	5. C	6. C	7. D	8. D	9. B	10. D
11. D	12. A	13. D	14. B	15. A					

