

APTITUDE QUIZ

Q1. The Simple Interest on Rs.5000 in 4 years @ $y\%$ p.a. equals the Simple Interest on Rs.8000 @ 10% p.a. in 2 years. Find the value of y .

- A) 4%
- B) 16%
- C) 32%
- D) 8%

Q2. On compound interest a Principal amounts to Rs.15625 in three years at 25%. What is the principal amount?

- A) Rs. 8008
- B) Rs. 8148
- C) Rs. 8000
- D) Rs. 9048

Q3. What should be the simple interest obtained on an amount of Rs.6780 at the rate of 5% p.a. after 4 years?

- A) Rs. 1356
- B) Rs. 1666
- C) Rs. 1336
- D) Rs. 1563

Q4. A money lender borrows money at 6 % per annum and pays the interest at the end of the year. He lends it at 8% per annum compounded half yearly and receives the interest at the end of the year. In this way, he gains Rs 691.2 a year. The amount of money he borrows is

- A) Rs. 27000
- B) Rs. 17500
- C) Rs. 32000
- D) Rs.3800

Q5. The principal which gives Re. 4 interest per day at a rate of 7.5 % simple interest per annum is :

- A) Rs. 17700
- B) Rs. 25200
- C) Rs. 24450
- D) Rs. 19467

Q6. The population Himalayan Quail in a particular locality is decreases by a certain rate of interest (compounded annually). If the current population of Himalayan Quail be 58320 and the ratio of decrease in population for second year and 3rd year be 10: 9. What was the population of Himalayan Quail 3 years ago?

- A) 60000
- B) 75000
- C) 80000

D) 90000

Q7. Equal amounts of each Rs. 589542 are lent to two persons for 3 years. One @ 20% SI and second @ 20% CI annually. By how much per cent the CI is greater than the simple interest received in this 3 years duration?

A) 23%

B) 21.11%

C) 33.33%

D) 25%

Q8. The difference between simple and compound interest on a principal amount for two years at a rate of 25% is Rs 1700. What is the principal amount?

A) Rs 1700

B) Rs 1600

C) Rs 1800

D) Rs 2000

E) None of these

Q9. The difference between simple and compound interest on a principal amount for two years at a rate of 25% is Rs 1700. What is the principal amount?

A) Rs 1700

- B) Rs 1600
- C) Rs 1800
- D) Rs 2000
- E) None of these

Q10. A person invests Rs 10000 at a simple interest of 8% and another amount at 5% interest simple interest to earn an interest after one year at a rate of 6% of the total amount invested. What is the total amount invested?

- A) Rs. 24000
- B) Rs. 22000
- C) Rs. 23000
- D) Rs. 30000
- E) None of these

Q11. A sum of Rs 400 went up to Rs 440 on a simple interest in 5 years. What is the total amount if the rate is raised by 2%?

- A) Rs 412
- B) Rs 425
- C) Rs 480
- D) Rs 625
- E) Rs 600

Q12.If the interest period is 3 months, then the compound interest on Rs. 30,000 for 9 months at 8% per annum is

- A) Rs. 1981.21
- B) Rs. 1836.4
- C) Rs. 1918.21
- D) Rs. 1980.12
- E) None of these

Q13.The difference between simple and compound interest on a certain sum of money for 2 years at 8 per cent per annum is Rs. 16. The sum of money is:

- A) Rs. 2600
- B) Rs. 2500
- C) Rs. 2560
- D) Rs. 2650
- E) None of these

Q14.The compound interest on a certain sum for 2 years at 10% per annum is Rs. 525. The simple interest on the same sum for double the time at half the rate percent per annum is:

- A) Rs. 400
- B) Rs. 500
- C) Rs. 600

- D) Rs. 800
- E) None of these

Q15. The simple interest accrued on an amount of Rs. 42000 at the end of 3 yr is Rs. 15,120. What would be the compound interest accrued on the same amount at the same rate in the same period?

- A) Rs.18013.95
- B) Rs.11013.95
- C) Rs.16013.95
- D) Rs. 13013.95
- E) Rs. 17006.97

Q16. Rohan took loan from Bank of Baroda for his 2 years course of MBA. He took loan of Rs. 12 lakhs such that he would be charged at 8% per annum at compound interest during his course and at 10% compound interest after the completion of course. He returned half of the amount which he had to be paid on the completion of his studies and remaining after 2 years. What is the total amount returned by Rohan?

- A) 1499678
- B) 1500234
- C) 14, 69,664
- D) 1399786
- E) None of these

Q17.Rs.12,500 is borrowed at C.I. rate of 3% for the first year, 4% for the second year and 5% for the third year. The amount to be paid after 3 years will be:

- A) Rs. 14590.50
- B) Rs. 14509.50
- C) Rs. 14059.50
- D) Rs. 14950.50
- E) None of these

Q18.15,000 is borrowed at C.I. at the rate of 2% for the first year, 4% for the second year and 5% for the third year. The amount to be paid after 3 years will be

- A) Rs. 18235.00
- B) Rs. 18432.00
- C) Rs. 18520.20
- D) Rs. 16707.60
- E) None of these

Q19.A money lender borrows money at 6 % per annum and pays the interest at the end of the year. He lends it at 8% per annum compounded half yearly and receives the interest at the end of the year. In this way, he gains Rs 172.8 a year. The amount of money he borrows is

- A) Rs. 7000
- B) Rs. 7500

- C) Rs. 8000
- D) Rs.7800
- E) None of these

Q20.The difference between simple and compound interest on a certain sum of money for 2 years at 5 per cent per annum is Rs. 65. The sum of money is:

- A) Rs. 26000
- B) Rs. 24655
- C) Rs. 23260
- D) Rs. 35990

ANSWERS

- 1. D
- 2. C
- 3. A
- 4. C
- 5. D
- 6. C

7. B

8. B

9. B

10. D

11. C

12. B

13. B

14. B

15. E

16. C

17. C

18. D

19. C

20. A