NET, IAS, State-SET (KSET, WBSET, MPSET, etc.), GATE, CUET, Olympiads etc.: Numerical Aptitude Questions (Practice_Test 3 of 12)

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1. A sphere and a cube have equal surface areas. The ratio of the volume of the sphere to that of the cube is

    a. $1: 6$

    b. $2: 6$

    c. $6: 3$

    d. $6: 2$

    ○ Answer: d

2. The marked price of a table is ₹ 3000 and is available at successive discounts of 20% and 10% respectively. If there is an additional discount of 5% on cash payment, then what is the cash price of the table?

    a. ₹ 2400

    b. ₹ 2160

    c. ₹ 2100

    d. ₹ 2052

    ○ Answer: d

3. A certain sum becomes ₹ 5290 in 2 years and ₹ 6083.50 in 3 years at C. I. The rate of interest per annum is

    a. 10%

    b. 12%

    c. 15%

    d. 16? %

    ○ Answer: c

4. A person borrowed ₹ 500@3% per annum S. I and ₹ 600 at the rate of $4\frac{1}{2}$ % per annum on the agreement that the whole amount will be returned only when the total interest becomes ₹ 126. The number of years, after which the borrowed sum is to be returned, is

   a. 2

   b. 3

   c. 4

   d. 5

   o Answer: b

5. A sum of ₹ 12,000 doubles in 5 years at C. I. What will be the amount after 20 years?

   a. ₹ 1,20, 000

   b. ₹ 1,92, 000

   c. ₹ 1,24, 000

   d. ₹ 96,000

   o Answer: b

6. A person sold 320 mangoes for the C. P. Of 400 mangoes. His gain percent is

   a. 10%

   b. 15%

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

   d. 25%

   o Answer: d

7. A person bought some oranges at the rate of ₹ 10 per dozen and bought the same amount of oranges at the rate of ₹ 8 per dozen. He sold these oranges at the rate of ₹ 11 per dozen and gained ₹ 120. The total number of oranges bought by him was

   a. 30 dozen

   b. 40 dozen

   c. 50 dozen

   d. 60 dozen

   o Answer: d

8. On selling a certain commodity for ₹ 425, there is as much gain as loss on selling it for ₹ 355. The C. P. Of the commodity is

   a. ₹ 370

   b. ₹ 385

   c. ₹ 390

   d. ₹ 400

   o Answer: c

9. A sum of ₹ 800 amounts to ₹ 920 in three years at S. I. If the rate of interest is increased by 5% then the amount will increase to

   a. ₹ 950

  b. ₹ 980

  c. ₹ 1010

  d. ₹ 1040

  ○ Answer: d

10. Of the three numbers, second is twice the first and is also thrice the third. If the average of the three numbers is 44, the largest number is

  a. 24

  b. 36

  c. 17

  d. 72

  ○ Answer: d

11. A house owner wants to get his house painted. He is told that this would require 25 kg of paint. Allowing for 15% wastage and assuming that the paint is available in 2kg tins, the number of tins required for painting the house is-

  a. 15

  b. 12

  c. 10

  d. 20

  ○ Answer: a

12. Price of food grains have risen by 10% and of other items of consumption by 15% . If the ratio of an employee's expenditure on food grains and other items is 2: 5, by how much should his salary be increased so that he may maintain the same level of consumption as before, assuming that his present salary is ₹ 3500?

  a. ₹ 300

  b. ₹ 350

  c. ₹ 375

  d. ₹ 475

• Answer: d