Previous Year TCS NQT Question Based on Percentage

CONCEPT

A man spends 1/5 of his salary on food, 1/10 of his salary on house rent and 3/5 of his salary on clothes. He still has $18000 left with him. Find his salary?

Q.1 Mr. Jones gave 40% of the money he had, to his wife. He also gave 20% of the remaining amount to each of his three sons. Half of the amount now left was spent on miscellaneous items and the remaining amount of Rs. 12,000 was deposited in the bank. How much money did Mr. Jones have initially? MAT

A.50000   B.100000   C.12000   D.NOT

Mr x spend 20% of his monthly income on household expenditure, out of the remaining 25% he spends on children's education, 15% on transport, 15% on medicine and 10% on entertainment. he is left with rs. 9800 after incurring all these expenditure. what is his monthly income

A man spends 20% of his salary on food items,25% of the remaining on house rent.33.33% of the remaining on entertainment and 10% of the remaining on children's education.after this he pays Rs 900 as income tax and still have Rs 2340.how many Rs he spends on entertainment?1 -Rs 9000

2 -Rs 2800

3- Rs 1800

4 -Data inadequate

5 -none of these

A man spends 50% of his income. His income increases by 30% and his expenditure also increase by 20%. Find the Percentage increase in his saving.

A man spends 80% of his income. His income increases by 40% and his expenditure also increase by 25%. Find the Percentage increase in his saving.

CONCEPT

Q. The value of lathe machine depreciates at the rate of 10 % per annum. If the cost of machine at present is Rs. 160,000, then what will be its worth after 2 years?
a. Rs. 122,365 b. Rs. 153,680 c. Rs. 129,600 d. Rs. 119,900

The population of different trees in a field increased by 10 % in first year, increased by 8 % in second year and decreased by 10 % in third year. If at present the number of trees is 26730, then find the number of trees in the beginning.
a. 30000   b. 25000   c. 27000 d. 27865

The population of a town is 18000. It increases by 10% during first year and by 20% during the second year. The population after 2 years will be…..

(A) 19800

(B) 21600

(C) 23760

(D) None

CONCEPT:

The price of an article rose by 25% every odd year and fell by 20% every even year , what would be the percentage change after 180 years ?

2. The length of a rectangle increased by 40% and its breadth increased by 20%. What will be the percentage change in the area of the rectangle?

(1) 50% inc (2)10% inc (3) 44% inc
(4) 68% inc (5) None of these

3. When the cost of petroleum increases by 40%, a man reduces his annual consumption by 20%. Find the percentage change in his annual expenditure on petroleum.

(1) 20%   (2) 16%   (3) 12%   (4) 40%
(5) None of these

4. The price of sugar increased by 25%. What should be the percentage decrease in the consumption of sugar by a family, such that their expenditure on sugar remains the same?

(1) 20%   (2) 16%   (3) 12%   (4) 40%   (5) None of these

. The current birth rate per thousand is 30, whereas corresponding death rate is 10 per thousand. Find the net growth rate in terms of population increase in percent.

a. 1.5 % b. 2 % c. 2.5 % d. 3 %

Q:

The current birth rate per thousand is 32, whereas corresponding death rate is 11 per thousand. The net growth rate in terms of population increase in percent is given by :

A) 1.2 %	B) 2.1 %
C) 3.1 %	D) 1.3 %

CONCEPT

1. A student has to secure 40% marks to pass an examination. He secured 75 marks and was declared FAIL 45 marks. Find the maximum marks set for the examination.
1) 600 2) 200 3) 100 4) 300 5) None of these

2 . In an examination, the cut off mark is 40% and a student is declared to be failed by 4 marks when he scored 38%. What is the maximum score a student can get in this exam?
1) 100 2) 300 3) 400 4) 200 5) None of these

3 . A student has to secure 30% marks to get through. If he gets 40 marks and fails by 20 marks, find the maximum marks set for the examination.
1) 600 2) 200 3) 100 4) 300 5) None of these

4 . In an examination, P scored 30 % marks and failed by 15 marks. Q scored 40 % marks and obtained 35 marks more than those required to pass. Find the pass percentage.
a. 30 % b. 33 %   c. 35 %   d. 40 %

Q.12 A candidate scoring 25% in an examination fails by 30 marks , while another candidate scores 50 % mark, gets 20 marks more than the minimum pass marks . Find the minimum pass marks. Find the minimum pass percentage.

A.42%   B.55%   C.33%   D.40%

Q.13.In an examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. If he attempts all 60 questions and secures 130 marks, the no of questions he attempts correctly is :

A.38   B.35   C.40   D.NOT

MAT/SSC/CRT

Q.16 TOTAL POPULATION OF DEHRADUN IS 6500.THE MALES & FEMALE INCREASES BY 5% & 10% AND POPULATION BECOMES 7000.FIND THE NUMBER OF MEN INITIALLY ?

A.3000   B.2500   C.4000   D.3500

. In a test consisting of 300 questions, Deepika answered 40% of the first 100 questions correctly. What per cent of the remaining 200 questions does she need to answer correctly for her grade on the entire exam to be 50%?

1) 75%   2) 55%   3) 60%   4) Cannot be determined   5) None of these

Q.
The present population of a country estimated yo be 10 crores is expected to increase to 13.31 crores during the next 3 years the uniform rate of growth is?

Q

. The present population of a country is 10 crores. If it rises to 17.28 crores during next 3 years, then find uniform rate of growth in population.

a. 20 %   b. 30 % c. 40 %   d. 60 %

Q.1

 In an examination of n questions, a student replied 15 out of the first 20 questions correctly. Of the remaining questions, he answered one-third correctly. All the questions have the same credit. If the student gets 50% marks, the value of n is (no negative marking)

12. In an election between two candidates, the winner secured 58% of the total votes cast and wins by a majority of 2400 votes. How many votes did the loser get?
1) 6300 2) 7200 3) 3700 4) 4400 5) None of these

13. In an election between two candidates, one gets 72% of the total votes. If the total votes are 8200, by how many votes did the winner win the election?
1) 1835 2) 1722 3) 3608 4) 4428 5) None of these

14. In a college election between two students, 10% of the votes cast are invalid. The winner gets 70% of the valid votes and defeats the loser by 1800 votes. How many votes were totally cast?
1) 1800 2) 7200 3) 5000 4) 3600 5) None of these

15. In a college election fought between two candidates, one candidate got 55% of the total valid votes. 15% of the votes were invalid. If the total votes were 15,200, what is the number of valid votes the other candidate got?
1) 7106 2) 6840 3) 8360 4) 5814 5) None of these

"In a class, 60% of the students are girls and the rest are boys. There are 30 more girls than boys. If 68% of the students, including 30 boys,pass an examination, the percentage of the girls who do not pass is [TITA] "

Q 1. Two numbers P and Q are such that, the sum of 2 % of P and Sum of 2 % of Q is two-third of the sum of 2 % of P and 6 % of Q. Find the ratio of P and Q.

a. 2 : 5   b. 3 : 1   c. 1 : 4   d. 5 : 1

Q 2. The value of lathe machine depreciates at the rate of 10 % per annum. If the cost of machine at present is Rs. 160,000, then what will be its worth after 2 years?

a. Rs. 122,365   b. Rs. 153,680   c. Rs. 129,600   d. Rs. 119,900

Q.3 The population of different trees in a field increased by 10 % in first year, increased by 8 % in second year and decreased by 10 % in third year. If at present the number of trees is 26730, then find the number of treEs in the beginning.

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