MANIDHANAEYAM FREE IAS ACADEMY - TNPSC - PRELIMINARY EXAM UNIT - X - APTITUDE & MENTAL ABILITY **PERCENTAGE & PROFIT AND LOSS**

Terms:

Cost Price: The price at which an article is purchased. [CP]

Selling Price: The price at which an article is sold. [SP]

Profit or Gain: SP > CP, if SP is greater than CP then it is profit.

Loss: CP > SP, if CP is greater than SP then it is loss

Formula:

- 1. Gain = SP CP
- 2. Loss = CP SP
- 3. Loss or gain is calculated on the cost price.
- 4. Gain % = (Gain / CP) x 100
- 5. Loss $\% = (Loss / CP) \times 100$
- 6. Selling price [SP] when it is gain $SP = ((100+gain) / 100) \times CP$
- 7. Selling price [CP] when it is loss $SP = ((100 - loss)/100) \times CP$
- 8. Cost price [CP] when it is gain $CP = (100/(100+gain)) \times SP$
- 9. Cost price [CP] when it is loss $CP = (100/(100-loss)) \times SP$
- 10. If an article is sold at a profit of 35%, then the sold price is 135% of cost price. [100 + gain %]
- 11. If an article is sold at a loss of 35%, then the sold price is 65% of cost price.[100 – loss %]
- 12. When a person sells 2 similar items at same percent (say X %) of profit and loss, hence he will have a Loss of

(Common profit and loss % / 10)²

Problems:

1. What is 40% in 560?

A. 224 B. 124 C. 214 D. 114 **Explanation:** 40% = 40/100 $40\% \text{ of } 560 = \frac{40}{100} \times 560$ = 56 x 4 = 224**Ans: A**

2. A shopkeeper sold 42% of the total stock of pen that he had. if the number of remaining pens is 580, what is the total number of pens that he had initially?

D. 420 A. 100 C. 500 B. 1000 **Explanation:** Total number of pens be 100 pens sold = 42%remaining = 58% = 58058% = 5801% = 10 $100\% = 10 \ge 100$ = 1000total pen = 1000Ans: B 3. Convert into fraction 12 ¹/₂ D. 1/8 A. 1/5 B. 1/6 **Explanation:** $12 \frac{12}{2} = \frac{12\frac{1}{2}}{100}$ = 25/200=1/8Ans:D

- 4. What is the percentage of $12\frac{1}{2}$ in $16\frac{2}{3}$?
 - A. 50% B. 25% C. 75% D. 60%

Explanation:

$$\frac{12\frac{1}{2}}{16\frac{2}{3}} \times 100 = \frac{25}{2} \times \frac{3}{50} \times 100$$
$$= 25 \text{ x } 3$$
$$= 75\%$$

Ans:C

5. In a class of 75 students, only 42 students could clear a test. What is the percentage of students who are unable to clear the test ?

A. 24% B. 34% C. 44% D. 50%

Explanation:

total = 75 (let it be 100%) Number of students not cleared = 75-42 = 33 % = $\frac{33}{75} \times 100$ = 11 x 4 = 44% Ans : C

6. Price of commodity has increased by 12 ½ %, and the amount increased was 25. Find the original price of the commodity?

A. 100 B. 200 C. 300 D. 400 **Explanation:** $12 \frac{1}{2} \% = 25$ let original price be x $\frac{12 \frac{1}{2}}{100} \times x = 25$ $x = \frac{25 \times 100}{25/2}$ $= \frac{25 \times 100 \times 2}{25}$ x = 200



7. Amutha bought a new pen at a price which is 75 less than the original price at certain percentage of discount. What is the percentage of discount if she spent Rs 425 for that pen?

A. 15% B. 25% C. 35% D. 45%

Explanation:

Total price of the pen = amount paid + discount

= 427 + 75 = 500

D.100

110% = 500

1% = 515% = 75

Ans: A

8. If 80% of 120 is how much greater than 120% of 80.

A. 40 B. 20

Explanation:

80% of 120 = 80/100 x 120 = 96 120% of 80 = 120/100 x 80 = 96 difference = 96-96 = 0

C. 0

Ans:C

9. 56% of the total students appeared for an examination was successful. And 132 of them have failed. What is the total number of students appeared for the examination?

A. 300 B. 400 C. 600 D. 900 **Explanation**:

let the total students be 100% 56% = passed students 100-56 = 44% = failed students 44% = 132 1% = 3 100% = 300

Ans : A

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10. A candidate needs to secure 40% marks to clear a test of 150 marks does he fail if he scores 40 marks in the test.

A. 20 B. 15 C. 10 D. 5

Explanation:

Minimum marks required to pass in examination = 40%40% of $150 = 40/100 \ge 150$ = 60

pass mark = 60

marks he scored = 40

so he fails by 20 marks

Ans :A

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11. The length of a rectangle increases by 85% and breadth is decreased by 20%. What is the percentage change in the area of the rectangle?

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A. 40% B. 20% C. 48% D. 28%

Explanation:

old area = 100 \times 100 = 10000

new area = 100 + 85\% and 100-20\%

new area = 185 \times 80

=14800

difference =14800 - 10000 / 10000 \times 100\%

= 48\%

Ans : C
```

12. The annual increase in the cost of land in Chennai is 14% points more than inflation which is also 6%. If the cost of the land in Chennai is 10000 now, what would be the cost in 3 years from now?

A. 13310 B. 17280 C. 15600 D. 16500 **Explanation:**

percentage increase = price $\left(1 + \frac{increase}{100}\right)^n$ increase = 6+14 = 20%

price after inflation =
$$1000 \left(1 + \frac{20}{100}\right)^3$$

= $10000 \text{ x } (1 + 0.2)^3$
= $10000 \text{ x } 1.728$
= 17280

Ans: B

13. The numerator of a fraction increased by 15% and its denominator is decreased by 12%, the value of the fraction becomes 5/4. What is the original fraction?

A. 12/15 B. 13/15 C. 22/23 D. 21/25 Explanation:

> let the fraction be x/y = 100%/100% 100 +15/100-20 = 115x/88y x/y= 22/23

Ans:C

14.If one number is 60% of the second number and 5 times the sum of their two numbers is 360. Find the smaller number?

A.25 B.27 C. 37 D. 29 Explanation:

```
let the number be x and y

x = 60\% of y (x is the smallest)

x= 60y/100

100x = 60y

5x = 3y

5x-3y = 0 -----1

5x + 3y = 360

x+y = 360/5

x+y = 72-----2

solving 1 and 2

x=27
```

Ans: B

MANIDHANAEYAM FREE IAS ACADEMY - TNPSC - PRELIMINARY EXAM **UNIT - X - APTITUDE & MENTAL ABILITY** 15. If the price of rice decreases by 20%, a man can buy 2 kilo more for rs. 320. What is the original price of rice per kg? A. 40 B. 50 C. 60 D. 80 **Explanation:** amount = 320extra kilograms = 2 price decrease = 20 % = 100 - 20 = 80%current price = 80% = 80/100 = 4/5 new quantity = 5/4 = 1.25let x be the number of kilograms he buys with 320 before decrease in price 1.25x - x = 20.25 x = 2x = 8kilo per kg = 320/8 = 40Ans:A 16. a% of b% of 800 is equal to 40% of 1600. What is the value of ab? B. 640 C. 6400 D. 64000 A. 64 **Explanation:** $\frac{40}{100} \times 1600$ $\frac{b}{100} \times 800 =$ $1\overline{00}^{\times}$

17.If 50 is added to 50% of a numbers, the numbers becomes 200. Find the 30% of that number?

A. 90	B. 180	C. 100	D. 125
Explan	ation:		

100

let the number be x.

ab

100

 $=40 \times 16$

ab = 40 x 16 x 100= 64000

Ans: D

MANIDHANAEYAM FREE IAS ACADEMY – TNPSC - PRELIMINARY EXAM UNIT – X – APTITUDE & MENTAL ABILITY 50 + (50% of x) = 200 50 + (50x/100) = 200 50 + (x/2) = 200 100+x = 400 x = 300 30% (300) = 90Ans : A

18.Ramu spent 60% of his salary for house rent, 25% of house rent on food, and 20% of food on clothing. If he spent 1500 on clothing, What is his total salary?

A. 45000 B. 50000 C. 55000 D. 55500

Explanation:

```
let his salary be x

x \times \frac{60}{100} \times \frac{25}{100} \times \frac{20}{100} = 1500

x = \frac{1500 \times 100 \times 100}{25 \times 2 \times 6}

x = 50000
```

Ans: B

19.A company has 250 employees. One fifth are females and rest are male. 5% of male and 40% of female are excelled in digital skills. Then, what percentage of the whole lack in digital skills?

A.58% B. 68% C. 78% D. 88% **Explanation:** male = 4/5(250) = 200female = 50 men excelled in skill = (5/100) x 200 = 10 women excelled in skills = (40/100) x 50 = 20 percentage who lack skills = (220/250) x 100 = 88% **Ans :** D



22.A box has 200 blue balls, 100 red balls, 100 green balls. 25% of blue balls and 50% of red balls are taken away. Then , What is the percentage of green balls in the box at present?

A. 20% B. 33 1/3% C. 40% D. 50% Explanation: 25% of blue balls = (25/100) x200 = 50 50% of red balls = (50/100) x 100 = 50

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UNIT – X – APTITUDE & MENTAL ABILITYnumber of green balls = 100remaining balls in the box = 400 - 100 = 300percentage of green balls = $(100/300) \ge 100$ = $33 \ 1/3 \ \%$

Ans: B

23.A television costs 20000 in 2020. The price increased to 10%, 20% and 30% consecutively in 2021, 2022, and 2023 respectively. What is the current price of the television?



24.Difference between a number and its one third is 426. What is the 33 1/3% of that number?

A. 213	B. 312	C. 619	D. 264	
Explana	ation:	அறக	あしし	
le	t the number	be x	0.	$\binom{0}{1}$
Σ	x - x/3 = 426	lin	181	C
((2/3) x = 426		DL	
Σ	x= 213 x 2			
Σ	x/3 = 213			
Ans:A				

11 MANIDHANAEYAM FREE IAS ACADEMY - TNPSC - PRELIMINARY EXAM **UNIT - X - APTITUDE & MENTAL ABILITY** 25. If the selling price of notebooks decreases by 40%. What percent should the sales be increased so that the total revenue remain the same? A. 50% B. 66.66% C. 40% D. 55.55% **Explanation:** let selling price be 100 reduced price = 100 - 40 = 60old price of 3 notebooks = $3 \times 100 = 300$ new price of 3 notebooks = $3 \times 60 = 180$ price change = 120% increase in quantity = $100 \ge 2/3 = 66.67$ Ans: B 26.64 is what percent of 160? C. 60% D. 70% B. 50% A. 40 % **Explanation**: 160 x (64/100) =40%Ans: A 27.In a basket of 150 mangoes, only 90 are in good condition and rest are rotten. What is the percentage of mangoes that are rotten in that basket? A.20 B. 30 C. 40 D. 50 **Explanation**: Total mangoes = 150 rotten mangoes = 150 - 90 = 60percentage of rotten mangoes = $60/150 \times 100$ =40%Ans: C 28.If a% of a is 36, then what is a? A. 40 B. 6 C. 60 D. 50 **Explanation**: a/100(a) = 36

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UNIT – X – APTITUDE & MENTAL ABILITY
a \ge a = 36 \ge 100
a = 60
Ans : B
```

29.A has twice as much money as that of B , and B has 50% more money that of Z. if the average money of the three is 110. How much money that A has with



30.If A's income is 50% less than that of B's, the B's income is what percent more than that of A?

A. 125% B. 100% C. 75% D. 50% **Explanation:** Required formula = $\left(\frac{x}{100 - x}\right) \times 100$ = $\left(\frac{50}{100 - 50}\right) \times 100$ = 100%

Ans: B

31.A vendor's gains 20% while buying the goods and 30% while selling them. Find his total gains



Solutions:



Ans: C

32.1 of 3 lemon are sold for the cost of 5 lemons then what is the profit percentage?



33.If a sum of Rs 1170 was distributed among A,B,C in the ratio 2:3:4 by mistake in place of 1/2:1/3:1/4 who was benefited most and by how much?

A) B. Rs 220 B) C. Rs 250 C) B Rs 270 D) A. Rs 280 Solution:

Actual ratio=
$$\frac{1}{2}:\frac{1}{3}:\frac{1}{4}$$

sum of ratio = 12

UNIT - X - APTITUDE & MENTAL A

$$= \left(\frac{1}{2} \times 12\right) : \left(\frac{1}{3} \times 12\right) : \left(\frac{1}{4} \times 12\right)$$

$$= 6:4:3$$
Total = 13
wrong ratio = 2:3:4
total sum = 9
clearly gained C $\left(\frac{4}{9} \times 1170 - \frac{3}{12} \times 1170\right)$

$$= 520 - 270 = 250$$

Ans : C

34. Profit after selling a commodity for 524 is the same as loss after selling it for



35.72% of 250 students are good in science. How many students are not good in

science?

|--|

Solution:

The no. of Students good in science

=72% of 250 =
$$\frac{72 \times 250}{100} = 180$$

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36.If 8% GST is included in the prices then what is the Original price of Fan



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16 MANIDHANAEYAM FREE IAS ACADEMY - TNPSC - PRELIMINARY EXAM UNIT - X - APTITUDE & MENTAL ABILITY **38.If selling price is doubled the profit triples Find the profit %?** A) 66 2/3 B) 100 C) 105 1/3 D) 120 Solution: let SP = yCP = xprofit = y-xAccording to question new SP = 2y and new profit = 2y-x profit triples = SP doubles 3/y - x = 2y - x3y - 3x = 2y - xy = 2x so y = 2; x = 1x: y = 1:2 profit = 2 - 1 = 1profit % = 1/1 x100 = 100% Ans : B 39. Senguntran purchased 2 1/2 dozen eggs at the rate of Rs 20 per Dozen one

found that 6 eggs at the rate of Rs 22 per dozen her profit or loss percentage

is?

```
C) 10% loss
A) 127% loss
                                B) 12% loss
                                                                                D) 10%
   profit
Solution:
                        1 \text{ dozen} = 12
                C.P of 2 \frac{1}{2} dozen or 30 eggs = \frac{20}{12} \times 30 = Rs50
                        6 eggs were rotten = 30-6 = 24 eggs
                       per dozen =22
                S.P of 24 eggs = 22 \times 2 = 44
                       loss = Rs (50-44) = Rs 6
                       loss % = \frac{6}{50} \times 100 = 12\%
```





44.An lemon is sold 5% profit the ratio of S.P and C.P price will be

A) 1:5	B) 20:21	C) 21:20	D) 5:1
Solution			



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no of mangoes sold for Rs. 1 = $\frac{4}{4} \times 3 = 3$

Ans: C

48. The cost price of 400 lemons is equal to the selling price if 320 orange then

the profit percentage?



49. The selling price of 5 articles is the same as the cost price of 3 articles the gain or loss percentage

D) 40% loss C) 33.33% loss A) 20% gain B) 25% gain Solution: |Loss % = ×100 ×100 loss = 40 %

Ans: D

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50. An article is sold at a profit of 25%. If the selling price is doubled the profit

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will be?
     A) 200%
                        B) 50%
                                                  C) 100%
                                                                     D) 150%
     Solution:
           let CP of article = Rs. 100
           25 % of profit = 125 %
           SP doubled = 250
                        250-100
                                 \times 100 = 150\%
           Profit % =
     Ans: D
51. Cheran bought a mobile for Rs 3300 including a tax of 10% what is the price
   of mobile before GST was added.
     A) Rs 2500
                        B) 3000
                                                  C) 2800
                                                                           D)
        4000
      Solution:
           Let the price of mobile before GST be x
           x + 10x/100 = 3300
            11x = 3300 X10
            x = 3000
      Ans: B
52.By selling an watch at a profit of Rs j60 a shopkeeper made a profit of 205.
   What is the cost price of watch?
                                                        C) 400
                               B) 320
     A) 300
           D) 420
     Solution:
           Let the CP be x
            20\% of x = 60
            20x/100 = 60
```

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20x/100 = 60 $x = \frac{60 \times 100}{20}$ x = 300

Ans : A

53.A Vendor bought soaps at 6 for a rupee How many for a rupee must be sell



Ans : D



24 MANIDHANAEYAM FREE IAS ACADEMY - TNPSC - PRELIMINARY EXAM UNIT - X - APTITUDE & MENTAL ABILITY 25x = 875x = 35 %Ans: D 57.On selling an item the difference between 33% loss and 7% profit is Rs 220. What is the cost price of the item? A) 600 C) 575 D) B) 525 550 Solution: Let CP = x1-According to question $x \times \frac{107}{100} - \frac{x \times 67}{100} = 220$ 40x/100 = 220x = 550Ans:D 58.If an item is sold at 13% loss and 14% profit then the difference between both prices is Rs 162 what is cost price of the items? A) 625 C) 600 B) 620 D) 640 Solution: Let CP = xAccording to question $x \times \frac{114}{100} - \frac{x \times 87}{100} = 16x$ $\frac{x}{100}(114-87) = 16x$ $\frac{162 \times 100}{127} = x$ x = 600Ans: C

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59. Tamil bought an item for Rs 2500 and sold it at 25% much amount and paid





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TNPSC PREVIOUS YEAR QUESTION PAPER

1) The cost price of 16 notebooks is equal to the selling price of 12 notebooks. Find the gain percent.

(A)	24%	(B)	33 1/3%
(C)	16%	(D)	12%

2) The cost price of 21 pens is equal to the selling price of 20 pens. The loss or gain percent is

- (A)
 20%
 5%

 (C)
 10%
 (B)
 5%

 (D)
 15%
- 3) If the cost of 12 Articles is equal to the selling price of 10 Articles, the profit percent in the transaction is

(A)	18%	(B)	16 ² / ₃ %
(C)	20%	6 (D)	25%

4) Cost of 3 pencils and 5 erasers is \gtrless 34 and cost of 2 pencils and 7 erasers is \gtrless 30 then the cost of a pencil is

(A)	₹8	(B)	₹5
(C)	₹4	(D)	₹2

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5) 5 pencils and 4 erasers cost \gtrless 13 whereas 9 pencils and 5 erasers cost \gtrless 19 then the price of 6 pencils and 3 erasers is

(A)	₹9	(B)	₹12
(C)	₹15	(D)	₹18

6) Three shirts and four pants cost Rs. 3,680. Two pants and one shirt cost Rs. 1,680. Find the costs of a shirt and a pant ?

- (A) Rs. 320 and Rs. 680 (B) Rs. 300 and Rs. 600
- (C) Rs. 400 and Rs. 450 (D) Rs. 310 and Rs. 690

7) A fruit seller bought 12 boxes of grapes at a price of Rs. 160 each. Two boxes was damaged. If he sold the remaining boxes at Rs. 200 each. Find the profit percent.

(A) 4.258
(B) 4.33
(C) 4.167
(D) 4.52

8) A fruit seller bought 8 boxes of grapes at a price of Rs. 150 each. One box was damaged. If he sold the remaining boxes at Rs. 190 each. Find the profit/loss percent.

- (A) Profit 130% (B) Profit 10.83%
- (C) Loss 130% (D) Loss 10.83%

9) A fruit seller bought 10 boxes of grapes at Rs. 210 each. One box was damaged. He sold the remaining boxes at Rs. 250 each. Find the profit/loss percent.

(A) 7.14% loss (B) 10.14% loss

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(C) 7.14% profit	(D) 10.14% profit			

10) A man buys 10 articles for Rs. 8 and sells them at the rate of Rs. 1.25 per article. His gain is

- (A) 20% (B) 50%
- (C) 19 ¹/₂%

11) An almirah is sold at Rs. 5,225 after allowing a discount of 5%. Find its marked price.

(D)

56 1/4%

- (A) Rs. 5,000 (B) Rs. 5,500
- (C) Rs. 6,500 (D) Rs. 5,575

12) A man bought an old bicycle for Rs. 1,500. He spends Rs. 500 on its repair and sells it for Rs. 1,800. Find the percentage of his loss.

- (A) 10% (B) 15%
- (C) 20% (D) 5%

13) A refrigerator is purchased for Rs. 14,355, including sales tax. If the actual cost price of the refrigerator is Rs. 13,050, find the rate of sales tax.

- (A) 11% (B) 8%
- (C) 9% (D) 10%

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14) Ram sold a watch at ₹ 405 and earned a profit of 20%. What was his cost price?

(A)	₹ 337.50	(B)	₹ 87.50
(C)	₹237.50	(D)	₹237

15) Sasi purchased a house for ₹ 27,75,000 and spent ₹ 2,25,000 on its interior decoration. He sold the house to make a profit of 40%. What is the selling price of the house?

- (A) ₹ 31,20,000 (B) ₹ 36,00,000
- (C) ₹42,00,000 (D) ₹48,00,000

16) A man had Rs. 75 lakhs with him. He spent 48 lakhs and 85 thousands to buy a building. How much money is left with him?

60

3600

(B)

(D)

- (A) 40 lakhs (B) 26 lakhs 15 thousand
- (C) 20 lakhs 25 thousand (D) 33 lakhs

17) If P% of P is 36. Then find P.

- (A) 15
- (C) 600

18) If n% of n is 64. Then n is equal to

- (A) 6400 (B) 640
- (C) 80 (D) 160

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19) A man invested $\frac{1}{3}$ of his capital at 7%, $\frac{1}{4}$ at 8% and the remaining at 10%. If his annual income is Rs. 561, the capital is

(A)	Rs. 5,400	(B)	Rs. 6,000
· /			

(C) Rs. 6,600 (D) Rs. 7,200

20) Shyam's monthly income is Rs. 12,000. He saves Rs. 1200. Find the percent of his savings and his expenditure.

- (A) 10%, 80% (B) 10%, 90%
- (C) 80%, 10% (D) 90%, 10%

21) After spending 40% on machinery, 25% on building, 15% on raw material and 5% on furniture, a small scale industry owner had a balance of Rs. 1,30,500. Total money with him(in rupees) was

(A) 7,39,500
(B) 8,70,000
(C) 7,56,900
(D) 7,22,500

22) If 30% of (B-A) is equal to 18% of (A+B) then the ratio A : B is equal to

(B)

(D)

4:1

2:1

- (A) 1:4
- (C) 1:2

23) 30% of x is equal to 60% of y then x : y is

- (A) 1:2 (B) 2:1
- (C) 30:60 (D) 3:6

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24) If 10% of x is equal to 20% of y then find x : y

- (A) 3:2 (B) 1:2
- (C) 2:1 (D) 3:1

25) A city's population increases by 5 percent per year while it decreases by 1 percent per year due to immigration. Percentage of population growth in three years

- (A) 10% (B) 11.5%
- (C) 12.00% (D) 12.47%

26) The value of a machine decreases by 5% every year. If the purchase price is Rs. 60,000, after three years the value of the machine is

(A) Rs. 51,442
(B) Rs. 65,144.25
(C) Rs. 5,144.25
(D) Rs. 6,514.43

27) A student multiplied a number by $\frac{3}{5}$ instead of 5/3. What is the percentage of error in the calculation?

44%

 (\mathbf{B})

- (A) 34%
- (C) 54%

28) The population of a town increased from 1,75,000 to 2,62,500 in a decade. The average percent increase of population per year is

(A)	4.37%		(B)	5%	

(C) 6% (D) 8.75%

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33) If 20% of pure acid is in 8 litres of a solution, how many litres of pure acid is in that solution?

- (A) 1.4 (B) 1.5
- (C) 1.6 (D) 2.4



(C) 1/45 (D) 2/45

39) If 60% of $\frac{3}{5}$ th of a number is 36, then find the number

- (A) 80 (B) 100
- (C) 75 (D) 90

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44) In 2013, the population of a city is 1,25,000. After one year population increased by 7%. Then find out the population in 2014?

- (A) 8,750 (B) 1,33,750
- (C) 1,16,250 (D) 1,25,000

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45) 280 candidates appeared for an examination of which 252 passed. The failed percentage is.

(A)	8%	(B)	6%
(C)	10%	(D)	12%

46) 30% apples out of 450 are rotten. How many apples are in good condition?

(A) 310
(B) 315
(C) 320
(D) 325

47) The value of a machine depreciates by 10% each year. A man pays Rs. 50,000 for the machine. Find its value after three years

(A) Rs. 35,650
(B) Rs. 36,450
(C) Rs. 35,450
(D) Rs. 37,450

48) The population of a city was 2,25,000 at 2018. If it will be increases at the rate of 12% next year. What will be the population of 2019?

 (A) 2,52,000
 (B) 2,50,000

 (C) 2,47,000
 (D) 2,52,500

49) In 2010, the population of a town is 1,50,000. If it increased by 10% in the next year. Find the population in 2011.

(A)	2,00,000	(B)	1,80,000
(C)	1,65,000	(D)	1,75,000

Manidhanaeyam Free IAS Academy TNPSC - Preliminary Exam Study Material

MANIDHANAEYAM FREE IAS ACADEMY – TNPSC - PRELIMINARY EXAM UNIT – X – APTITUDE & MENTAL ABILITY

- 50) If x% of y is 100 and y% of z is 200, then the relation between x and z is
 - (A) z=x/2 (B) z=2x
 - (C) z=x/4 (D) z=4x

