# **EXAM GENIUS** QUANTITATIVE APTITUDE

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# **Percentage**

#### Part-4

1. 300 grams of sugar solution has 40% of sugar in it. How much sugar should be added to make it 50% in the solution?

- (a) 10 gms
- (b) 60 gms
- (c) 40 gms
- (d) 80 gms

2. Water tax is increased by 20% but its consumption is decreased by 20%. Then the increase or decrease in the expenditure of the money is :

(a) 4% increase

(b) 4% decrease

(c) No change

(d) 5% decrease

- 3. If radius of a circle is increased by 5%, then the increase in it's area is :
- (a) 10.25%
- (b) 5.75%
- (c) 10%
- (d) 5%

4. In 2 kg mixture of copper and aluminium, 30% is copper. How much aluminium powder should be added to the

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mixture so that the quantity of copper becomes 20%?

- (a) 900 gms
- (b) 800 gms
- (c) 1000 gms
- (d) 1200 gms
- 5. The income of a company increases 20% per annum. If its income is Rs.26,64,000 in the year 2012, then its income in
- the year 2010 was:
- (a) ₹ 21,20,000
- (b) ₹18,50,000
- (c) ₹28,20,000
- (d) ₹28,55,000

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6. 30% of the students in a class have mobile phones, 10% of the students who have mobile phones have a bluetooth facility. If the class has 200 students, how many have bluetooth facility?

(a) 2
(b) 7
(c) 7
(d) 6
7. A student multiplied a number by 3/5 instead of 5/3. What is the percentage error in the calculation ?
(a) 44%
(b) 34%
(c) 54%
(d) 64%
(e) None of these
8. If the total monthly income of 16 persons is Rs.80,800 and the income of one of them is 120% of the average income,
then his income is:
(a) ₹5,050
(b) ₹6,060
(c) ₹6,160
(d) ₹6,600
(e) None of these
9. A sample of 50 litres of glycerine is found to be adulterated to the extent of 20%. How much pure glycerine should

be added to it so as to bring down the percentage of impurity to 5%?

(a) 155 litres

- (b) 150 litres
- (c) 150.4 litres
- (d) 140 litres
- (e) None of these



(a) 25%

(b) 30%

(c) 35%

(d) 75%

(e) None of these







11. A retailer reduced the price of sugar by 33.33%. By this a consumer can buy 8 kg more sugar for Rs 2160. The reduced price per kg of sugar is:

- (1) Rs 30 per kg
- (2) Rs 100 per kg
- (3) Rs 90 per kg
- (4) Rs 120 per kg
- (5) None of these
- 12. The price of milk is reduced by 44.44%. Now a person can buy 1600 ml more milk for Rs 592.20.

The original price of the milk per litre was:

- (1) Rs 296.1 per li
- (2) Rs 265.5 per li
- (3) Rs 216.5 per li
- (4) Rs 209.5 per li
- (5) None of these
- 13. The price of wheat is increased by 2x%. As a result, a family has decreased its consumption by 2x%. If

the expenditure of the family on wheat is decreased by 16%, then find value of x.

- (1) 10
- (2) 25
- (3) 20
- (4) 5

(5) 40 14. Riya requires (x - 8)% to pass. She gets 98 marks and falls short by 10 marks. If the maximum marks she could have got is 300, then find the value of x. Genius (1) 20 (2) 40 (3) 36 (4) 44 (5) 32 15. In an examination, a student must get (x + 8)% marks to pass. A student who gets 40% marks failed by 24 marks. If the total marks in that examination is 600, then find 55.55% of x. (1) 10 (2) 30 VISIT US:: <u>https://examgenius.in/</u>

(3) 40

(4) 20

- (5) None of these
- 16. In an examination Barkha got 25% marks more than Riya, Riya got 10% less than Sushma and Sushma

got 25% more than Neelam. If Neelam got 96 marks out of 150, the marks obtained by Barkha were:

(1) 121.5

(2) 135

- (3) 108
- (4) 120
- (5) 142

17. Devbrat scored 30% marks and failed by 75 marks Shreekar scored 40% marks and obtained 150 marks

more than those required to pass. The pass percentage is:

(1) 47.6%

(2) 25%

(3) 33.33%

- (4) 42.84%
- (5) None of these

18. Two candidates fought an election. One of them got 68% of the total votes and won by 1296 votes. What

is the total number of votes polled?

(1) 3000

(2) 3200

- (3) 3600
- (4) Cannot be determined
- (5) None of these



19. In a chair person election of a colony, Mr. David got 65 % of the total valid votes. 15 % of the total votes were declared invalid. If the total number of votes is 4000, find the number of valid votes polled in favour of Ramprasad.

(1) 2220

(2) 2210

(3) 3250

(4) 1210

(5) None of these

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**20.** An individual pays 30% income tax. On this tax he has to pay a surcharge of 10%. Thus , the net tax rate, he has to pay is :

- (a) 45%
- (b) 40%
- (c) 33%
- (d) 27%
- (e) None of these

## ANSWER KEY



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