EXAM GENIUS QUANTITATIVE APTITUDE

Topic wise pdf for all compitative exam

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Percentage

Part -02

1. One-fourth of two-fifth of 30% of a number is 135. What is 20% of that number?

- (1) 900 (2) 450
- (3) Data provided are not adequate
- (4) 1800
- (5) 675

2. A number is increased by 15.38%. How much should it be decreased to get the original

number?

- (1) 13.33% (2) 7.14%
- (3) 8.33% (4) 26.33%
- (5) 39.33%

3. If 16.66% of the students in a school are girls and the number of boys is 275, find the

total number of students in the school.

- (1) 320 (2) 400
- (3) 380 (4) None of these
- (5) 330

4. A number is increased by **42.84%** and then the increased number is decreased by **16.66%**.

Find the net increase or decrease per cent.

- (1) 19.04% decrease (2) 19.04% increase
- (3) 14.28% decrease (4) 14.28% increase

(5) None of these

5. The ratio of present salaries of Aman and Suresh is 3 : 5. Aman's salary increases by 33.33% while Suresh's salary decreases by 20%. If the initial salary of Aman was Rs 15000, then find the final salary of Suresh.

(1) 15000 (2) 20000

(3) 18000 (4) 10000





(5) 24000

6. Rohan spends 20% of an amount of money on an Insurance policy, 30% on children education, 20% on food, 15% on recreation. He deposited the remaining amount of 1008 in the Bank. How much did he spend on food and insurance together?

- (1) 2688 (2) 1688
- (3) 688 (4) 3688
- (5) None of these

7. The price of a car is Rs. 900000. It was insured for 90% of its price. The car was damaged completely in an accident and the insurance company paid 90% of the insurance. What was the difference between the price of the car and the amount received?

- (1) 329000 (2) 729000
- (3) 171000 (4) 272000
- (5) None of these

8. 200 liters of a mixture contains 15% water and the rest is Alcohol. The amount of alcohol that must be added so that the resulting mixture contains 87.5% alcohol is?

- (1) 10 (2) 40
- (3) 20 (4) 30
- (5) None of these

9. 40 liters of a mixture contains 20% milk and the rest water. If 8 liters of water are mixed in it, the percentage of milk in the new mixture will be?
(1) 8.33%
(2) 16.66%
(3) 33.33%
(4) 66.66%
(5) None of these
10. Jubin spend 25% of his monthly salary on rent, 20% of remaining on food, 16.66% of remaining on clothes and 50% of the remaining on mutual funds. He gave 10% of his salary to his friend. If Jubin's annual salary is 3,60,000, then find his savings.

(1) 3000 (2) 4500

(3) 7500 (4) 6000

(5) 1500

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11. 20 litres of a mixture contains 20% alcohol and the rest is water. If 4

litres of water be mixed in it, the percentage of alcohol in the new mixture will

be:

(3) 50%

- **(1) 33** ¹/₃% (2) 16 ²/₃ %
- (3) 25 % **(4) 12** ¹/₂ %

12. A man spends 75% of his income. His income increases by 20% and his expenditure also increases by 10%. The percentage of increases in his savings is:

- (1) 40% (2) 30% (4) 25%
- **13.** If each side of a cube is increased by 10%, the volume of the cube will increase by:
 - (1) 40% (2) 30%
 - (3) 33.1% (4) 25%

14. The strength of a school increases and decreases in every alternate year by 10%. It started with increase in 2000, then the strength of the school in 2003 as compared to that in 2000 was:

- (1) Increased by 8.9% (2)Decreased by 8.9%
- (3) Increased by 9.8% (4)Decreased by 9.8%

15. The difference between the value of the number increased by 20% and the value of the

number decreased by 25% is 36. Find the number.

- (1) 7.2 (2) 0.8
- (3) 720 (4) 80
- **16.** A number is first decreased by 20%. The decreased number is then increased by 20%.

The resulting number is less than the original number by 20. Then the original number is :

- (1) 200 (2) 400
- (3) 500 (4) 600

17. A reduction of 21% in the price of an item enables a person to buy 3 kg more for Rs.100.

The reduced price of item per kg is:

(1) ₹5.50 (2) ₹7.50

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- (3) ₹10.50 (4) ₹7.00
- **18. The percentage increase in the surface area of a cube when each side is doubled is:**
 - (1) 200% (2) 300%
 - (3) 150% (4) 50%
- **19.** The height of a triangle is increased by 10%. To retain the original area of the triangle,

its corresponding base must be decreased by ?

- **(1) 9 ¹/₈% (2) 9** ¹/₇ %
- **(3) 10 % (4) 9** γ_{11} **%**

20. 300 grams of sugar solution has 40% of sugar in it. How much sugar should be added

to make it 50% in the solution?

- (1) 10 gms (2) 60 gms
- (3) 40 gms (4) 80 gms



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Answer key

