CLASS SHEET – APTITUDE & REASONING – 10 Oct, 2019

1. Cheap and Best, a kirana shop bought some apples at 4 per rupee and an equal number at 5 per rupee. He then sold the entire quantity at 9 for 2 rupees. What is the percentage profit or loss?
   a. 1.23% loss   b. 6.66% profit   c. 8.888% loss   d. No P/L

2. A shopkeeper buys an article for Rs. 400 and marks it for sale at a price that gives him 80% profit on his cost. He, however, gives a 15% discount on the marked price to his customer. Calculate the actual percentage profit made by the shopkeeper.
   a. 62%   b. 64%   c. 53%   d. 54%

3. A trader purchases apples at Rs. 60 per 100. He spends 15% on the transportation. What should be the selling price per 100 to earn a profit of 20%?
   a. 72   b. 81.8   c. 82.8   d. 83.8

4. An article costs Rs. 700 to a manufacturer who lists its price at Rs. 800. He sells it to a trader at a discount of 5%. The trader gets a further discount of 5% on his net payment for paying in cash. Calculate the amount that the trader pays to the manufacturer.
   a. Rs. 720   b. Rs. 722   c. Rs. 725   d. NOTA

5. Two equal amount of money are lent out at 6% and 5% of simple interests respectively at the same time. The former is recovered 2years early than the later and the amount so recovered in each case is 2880. Find the money lent.
   (a)2400   (b)2200   (c)2000   (d)1800

6. If the cost price of 12 pens is equal to the selling price of 8 pens, then the gain percent is
   a. 33 1/3 %   b. 60 2/3%   c. 25%   d. 50%

7. Bananas are bought at the rate of 6 for Rs. 5 and sold at the rate of 5 for Rs. 6. Find the profit percentage?
   a. 36%   b. 42%   c. 44%   d. 48%

8. M bought two scooters for Rs. 18000. By selling one at a profit of 25% and the other at a loss of 20%, he neither gains nor loses. Find the cost price of each scooter?
   a. 8000, 10000   b. 12000, 6000   c. 11000, 7000   d. NOTA

9. By selling an umbrella for Rs. 300, a shopkeeper gains 20%. During a clearance sale, the shopkeeper allows a discount of 10% on the marked price. Find his gain percentage during the sale season?
   a. 6%   b. 4%   c. 20%   d. 8%

10. By selling an article for Rs. 240, a man incurs a loss of 10%. At what price should he sell to make a profit of 20%?
    a. Rs. 264   b. Rs. 288   c. Rs. 300   d. Rs. 320

11. The cost price of 2 dozen bananas is Rs. 32. After selling 18 bananas at the rate of Rs. 12 per dozen, the shopkeeper reduced the rate as Rs. 4 per dozen. The percentage loss is:
    a. 25.2%   b. 32.4%   c. 36.5%   d. 37.5%

12. A man bought 100 mangoes at a certain price, with the intention of selling each at a profit of 25%. But 20 mangoes got spoiled. If he sold the rest at the intended price, what was his profit or loss percentage?
    a. 0%   b. 6.66% profit   c. 6.25% loss   d. 12.5% profit

13. The cost price of a camera is 90% of its selling price. Find the profit %?
    a. 9 1/11%   b. 10%   c. 11 1/9 %   d. 12%

14. A company manufactures a product for Rs.50. It sold it to a dealer for RS.60 The dealer sold it to a shopkeeper for Rs.75. The shopkeeper sold it to a customer for Rs.100. Find the profit percentage of the company.
    a. 16 2/3 %   b. 25%   c. 20%   d. 33 1/3 %

15. The average age of students in section A of 40 is 10 years and the average age of students in section B of 30 is 12 years. Find the average age of students in both the sections.
    a. 10.75   b. 10.25   c. 10.85   d. NOTA

16. The average salary of all the employees of a company is Rs. 12000. While average salary of a Unionized staff is Rs. 8000 and that of the management staff is Rs. 13000. What is the ratio of the number of unionized staff to the number of management staff?
    Let A and B be the number of unionized staff to the number of management staff.
    a. 2:4   b. 4:1   c. 3:1   d. 1:4

17. If the average of a, b and c is M and ab + bc = -ca, then the average of a^2, b^2, c^2 is
    a. M^2 b. $3M^2$ c. $9M^2$ d. $27M^2$

18. The average of 9 numbers is 30. The average of first 5 numbers is 25 and that of the last 3 numbers is 35. What is the 6th number?
    a. 20   b. 30   c. 40   d. 50

19. The average of marks of 14 students was calculated as 71. But it was later found that the marks of one student had been wrongly entered as 42 instead of 56 and of another as 74 instead of 32. The correct average is:
    a. 67   b. 68   c. 69   d. 71

20. Average age of a father and his two sons is 27 years. Five years ago, the average age of the two sons was 12 years. If the difference between the ages of the two sons is 4 years, then the present age of the father is:
    a. 34 years   b. 47 years   c. 64 years   d. 27 years

21. The average weight of a group of 150 students in a class is 60 kg. If the mean of weights of all the 50 male students in the class is 70 kg, then the average weight of 100 girls in the class is:

a. 55   b. 60   d. 45   d. 50

22. If BRANCHES of a tree is coded as CQCLFEIO, how is LEAVES of the same tree coded?

a. MDCTHP   b. MCDHTP   c. MFBWFT   d. MBFWFT

Directions (23 – 27) For the following group of letters given in column the codes are given in column-II. Answer the following questions by finding the codes for the groups from the given columns.

	Column I	Column II
1)	lit kit bit dit	b r p d
2)	fit git mit kit	t d s v
3)	rit bit git tit	x p v w
4)	nit dit fit rit	r s x j

23. What is the code for lit?

a. v   b. r   c. p   d. d   e. b

24. What is the code for tit?

a. w   b. x   c. p   d. v   e. r

25. What is the code for rit?

a. j   b. s   c. r   d. x   e. w

26. What is the code for nit?

a. x   b. s   c. j   d. r   e. n

27. What is the code for kit?

a. r   b. p   c. x   d. b   e. d

28. GO + TO = OUT

O+U+T = ?

29. NO + NO + TOO = LATE

IF E = 2, VALUE OF O+L+E =?

30. AGE + AGE = GOAL

Find OO + AA =?