CDS [WEEKLY TEST]

PRACTICE SHEET – 2

1. $\frac{2}{3}$ is what percent of $\frac{1}{3}$?
   (a) 10% (b) 20% (c) 50% (d) 200%
2. 80 meter is what percent of 5 km?
   (a) 1% (b) 2% (c) 1.6% (d) 3.2%
3. What percent of 3 day is 12 hours?
   (a) 5% (b) 2% (c) 10% (d) $16\frac{2}{3}\%$
4. 8% of 5 litre is:
   (a) 0.4 ml (b) 400 ml (c) 40 ml (d) 4 ml
5. What 34% of 1.2 kilometres?
   (a) 40,800 cm (b) 4.08,000 cm
   (c) 4,080 cm (d) 408 cm
6. 2.4 converted to percentage is:
   (a) 0.24% (b) 24% (c) 240% (d) 2.4%
7. 3 cm is how much percent of 12 m?
   (a) 0.025 (b) 0.25 (c) 2.5 (d) 25
8. 26% of A is 832. What is 31% of A?
   (a) 968 (b) 876 (c) 854 (d) 992
9. There are 780 bananas in a box out of which 130 bananas are rotten and the remaining ones are of good quality. The percentage (upto two decimal places) of good quality bananas is:
   (a) 71.12% (b) 63.35% (c) 83.33% (d) 53.33%
10. A person's salary increased from ₹ 8,100 to ₹ 9,000. What is the percentage increase in his salary?
    (a) $11\frac{1}{9}\%$ (b) $13\frac{7}{9}\%$ (c) $9\frac{1}{9}\%$ (d) $6\frac{1}{9}\%$
11. Ravi scores 72% marks in examination. If these are 360 marks, then the maximum marks are:
    (a) 500 (b) 350 (c) 450 (d) 400
12. A number increased by $12\frac{1}{2}\%$ given 99 as result. The number is?
    (a) 88 (b) 70 (c) 90 (d) 100
13. If 37.5% of a number is added with itself then the result becomes 1320. Find the original number.
    (a) 940 (b) 980 (c) 960 (d) 950
14. If 62.5% of a number is subtracted from itself then result becomes 6321. Find the original number.
    (a) 16865 (b) 16856 (c) 16685 (d) 16756

15. If 64 is added in a number then number becomes $157\frac{1}{7}\%$ of itself. Find the original number.
    (a) 113 (b) 112 (c) 114 (d) 115
16. If 85% of a number is added to 75, then the result is the number itself. The number is
    (a) 500 (b) 200 (c) 300 (d) 100
17. If 930 is added in a number then number becomes $444\frac{4}{9}\%$ of itself. Find the original number.
    (a) 280 (b) 270 (c) 260 (d) 230
18. If 16 is added in a number then number becomes $116\frac{2}{3}\%$ of itself. Find the original number.
    (a) 98 (b) 97 (c) 96 (d) 95
19. If 21 is added in a number then number becomes $137\frac{1}{2}\%$ of itself. Find the original number.
    (a) 57 (b) 34 (c) 56 (d) 72
20. If the sum of 40% of a number and 30% of the same number is 70, then the number is:
    (a) 150 (b) 200 (c) 100 (d) 125
21. A man multiplies a number by $\frac{7}{4}$ instead of $\frac{3}{5}$. Find the percentage change in his result.
    (a) $190\frac{2}{3}\%$ (b) $191\frac{2}{3}\%$ (c) $197\frac{2}{3}\%$ (d) None of these
22. A man multiplies a number by $\frac{3}{5}$ instead of $\frac{5}{3}$. Find the percentage change in his result.
    (a) 65% (b) 64% (c) 68% (d) None of these
23. A student multiplied a number with $\frac{3}{4}$ instead of $\frac{4}{3}$. What is the error percentage?
    (a) 59.67% (b) 43.75% (c) 67.45% (d) 39.34%
24. What is to be added to 15% of 180 so that the sum is equal to 20% of 360.
    (a) 40 (b) 60 (c) 50 (d) 45
25. A's income is 25% more than income of B. Income of B is how much percent less than income of A?
    (a) 10% (b) 20% (c) 40% (d) $16\frac{2}{3}\%$
26. If P is 50% more than Q, Q is how much percent less than P?
    (a) 50% (b) 100% (c) 66.66% (d) 33.33%
27. If income of A is 20% less than B than income of B is how much percent more than A?
    (a) 20% (b) 25% (c) 200% (d) 33.33%
28. If marks of Kejriwal is 33.33% less than Yogi then marks of Yogi is how much percent more than that of Kejriwal?
    (a) 80% (b) 120% (c) 50% (d) 175%

29. Age of Radhema is 20 year if age of Karim is 25% greater than that of Radhema. Then how much percent Radhema's age is less than that of Karim?
    (a) 20% (b) 40% (c) 10% (d) 5%

30. If Rajdhani is $16\frac{2}{3}\%$ slower than Shatabdi then Shatabdi is faster than Rajdhani by:
    (a) 25% (b) 20% (c) 30% (d) 33%
31. Rita's income is 15% less than Richa's income. By what percent is Richa's income more than Rita's income?
    (a) $15\frac{11}{17}\%$ (b) $17\frac{11}{17}\%$ (c) $16\frac{11}{17}\%$ (d) $14\frac{11}{17}\%$
32. Due to irregular working habits of Asaram, his salary was reduced by 20% but after some months his salary was increased to the original salary. What is the percentage increase in his salary?
    (a) 25% (b) 20% (c) 33% (d) 30%
33. By what percent the new price of article must be increased to restore its former value, if the cost of the article is cut by 25% in the past?
    (a) $34\frac{1}{4}\%$ (b) $33\frac{1}{3}\%$ (c) 33% (d) 34%
34. The price of sugar is decreased by 10%. By what percent can a person increase the consumption so that there is no change in the expenditure?
    (a) $\frac{100}{11}\%$ (b) $\frac{109}{11}\%$ (c) $\frac{100}{9}\%$ (d) 10%
35. If the price of rice is raised by 20%, then by what percentage should a person reduce his consumption of rice so that his expenditure remains the same? (correct to one decimal place)
    (a) 14.7% (a) 18.7% (c) 16.7% (d) 12.7%
36. The price of petrol was raised by 15%. By how much percentage should a motorist reduce the consumption of petrol so that the expenditure on it does not increase?
    (a) $\frac{2}{11}\%$ (b) $5\frac{3}{13}\%$ (c) $13\frac{1}{23}\%$ (d) $6\frac{2}{8}\%$
37. If side of a square is increased by 10% then find % increase in its perimeter & diagonal
    (a) 10%, 10% (b) 10%, 21% (c) 20%, 21% (d) 20%, 20%
38. If radius of a circle is increased by 20% then find % increase in its circumference.
    (a) 10% (b) 20% (c) 30% (d) 40%
39. If each edge of a cube is increased by 10%, then the percentage increase in its surface area is:
    (a) 21% (b) 19% (c) 22% (d) 20%
40. If the length of a rectangle is increased by 12% and the breadth is decreased by 8%, the net effect on the area is:
    (a) increase by 3.04% (b) increase by 2.6%
    (c) decrease by 3.04% (d) decrease by 2.6%

41. The length and the breadth of a rectangle are made to increase and decrease, respectively, by 8% and 10%. What is the percentage increase of decrease in its area?
    (a) Decrease by 1.8% (b) Increase by 1.8%
    (c) Increase by 1.8% (d) Decrease by 2.8%
42. Length and breadth of a rectangle are increased by 10% and 20% respectively. What will be the percentage increase in the area of rectangle?
    (a) 21% increase (b) 28% increase
    (c) 44% increase (d) 32% increase
43. The radius of a circle is increased by 300%. Then its area will increase by what perent.
    (a) 800% increase (b) 900% increase
    (c) 1500% (d) 1600% increase
44. The radius of a hemisphere is increased by 19% then what will be effect on total surface area and lateral surface area.
    (a) 41.61% decrease (b) 41.61% increase
    (c) $45\frac{5}{6}\%$ decrease (d) 44% increase
45. The radius and height of a cone are increased by 25% then what will be effect on its total surface and lateral surface area?
    (a) 56.25% increase (b) 56.25% decrease
    (c) 43.75% increase (d) 43.75% decrease
46. The base of a triangle in increased by 40%. By what percentage (correct to two decimal places) should its height be increased so that the area increased by 60%?
    (a) 15.54% (b) 20.01% (c) 14.29% (d) 18.62%
47. Base of a triangle is increased by $33\frac{1}{3}\%$ and its height is reduced by $16\frac{2}{3}\%$. Find the percentage change in area of triangle?
    (a) 20% (b) None of these
    (c) $16\frac{2}{3}\%$ (d) $11\frac{1}{9}\%$
48. Base of a triangle is increased by $16\frac{2}{3}\%$ and its height is reduced by $33\frac{1}{3}\%$. Find the percentage change in area of triangle?
    (a) 20% (b) $22\frac{2}{9}\%$ (c) $16\frac{2}{3}\%$ (d) $11\frac{1}{9}\%$
49. Length of rectangle is increased by 50%. Then its area in increased by 20%. Find effect on breadth of the rectangle.
    (a) 20% decrease (b) 25% increase
    (c) 20% increase (d) 25% decrease
50. The area of a circle is increased by 69% then its radius will increase by what percent?
    (a) 10% increase (b) 20% increase
    (c) 30% increase (d) 40% increase