

GS FOUNDATION
BATCH FOR CSE 2023
Ace CSTA 2023 - Worksheet - 6
Percentages

1. Express the following as a fraction: (i) 55% (ii) 0.6%
 - A. $11/20$; $3/5$
 - B. $11/20$; $2/5$
 - C. $9/20$; $3/5$
 - D. $9/20$; $2/5$
2. If Aakash earns 10% less than Aayush, then how many per cent more does Aayush earn than Aakash?
 - A. 11.11%
 - B. 22.22%
 - C. 13.27%
 - D. 16.28%
3. What percentage of 70 is 14?
 - A. 10%
 - B. 20%
 - C. 16.66%
 - D. 25%
4. In a Film Festival $16\frac{2}{3}\%$ of the movies shown were Indian. If the total no of films shown in the festival were 360, find the number of movies shown which were other than Indian.
 - A. 240
 - B. 300
 - C. 360
 - D. 400
5. In a Film Festival $16\frac{2}{3}\%$ of the movies shown were Indian. If the total no of films shown in the festival were 360, find the number of movies shown which were other than Indian.
 - A. 11.27%
 - B. 13.64%
 - C. 16.28%
 - D. 15%
6. What percentage of 200 will be equal to 25% of 400?
 - A. 25%
 - B. 40%
 - C. 50%
 - D. 75%

7. A town has a population of 20,000. It's increasing at the rate of 5% per annum. What will be the population of town after 2 years?
- A. 22050
 - B. 23450
 - C. 21300
 - D. 27600
8. The value of a mobile phone depreciates at the rate of 40% per annum and its present price is ₹6,000. Calculate its price 2 years ago.
- A. 18000
 - B. 15666.67
 - C. 23333.67
 - D. 16666.67
9. Out of the total income, X spends 20% on house rent and 70% of the remaining amount on household expenditure. If X saves 1800, the total income is ____
- A. 8000
 - B. 9500
 - C. 7500
 - D. 8500
10. Out of the total income, X spends 20% on house rent and 70% of the remaining amount on household expenditure. If X saves 1800, the total income is ____
- A. 2.8
 - B. 3.0
 - C. 3.2
 - D. 3.6
11. The population of a city is 250 thousand. It is increasing at the rate of 2% every year. The growth in the population after 2 years is:
- A. 50500
 - B. 10100
 - C. 20200
 - D. 30300
12. If 80% of A = 20% of B and B = 5x% of A, then the value of x is:
- A. 75
 - B. 80
 - C. 85
 - D. 90
13. Which one of the following is same as 30% of 40% of 560?
- A. 60% of 40% of 280
 - B. 15% of 80% of 280
 - C. 30% of 40% of 280
 - D. 15% of 80% of 140

14. In a certain class, 72% of the students prefer cold coffee and 44% prefer fruit juice. If each of them prefers cold coffee or fruit juice and 48 likes both, the total number of students in the class is –
- A. 240
 - B. 200
 - C. 300
 - D. 250
15. Population of a city is 2,96,000 out of which 1,66,000 are males. 50% population is literate. If 70% males are literate, then the number of women who are literate is –
- A. 48,000
 - B. 66,400
 - C. 32,200
 - D. 31,800

Solutions:

- 1. A
- 2. A
- 3. B
- 4. B
- 5. B
- 6. C
- 7. A
- 8. D
- 9. C
- 10. C
- 11. B
- 12. B
- 13. A
- 14. C
- 15. D