



**परमाणु ऊर्जा शिक्षण संस्था**  
**Atomic Energy Education Society**  
**कार्यपत्रक / Worksheet (2025-26)**

कक्षा / Class: VIII विषय / Subject: Mathematics माह/ Month: \_\_\_\_\_ अंक/Marks: 40

दिया गया पाठ्यक्रम/Portion covered: Part 2, Chapter 1 ( Fraction in Disguise)

विद्यार्थी का नाम/Name of the student: \_\_\_\_\_

अनुक्रमांक / Roll No. \_\_\_\_\_ कक्षा/अनुभाग Class /Sec.: \_\_\_\_\_ दिनांक /Date: \_\_\_\_\_

**SECTION- A (10×1= 10 marks)**

1. The marked price of a shirt is ₹800. A shopkeeper allows two successive discounts of 10% and 20%. The selling price of the shirt is:  
 A. ₹560                                      B. ₹576                                      C. ₹600                                      D. ₹640
2. A sum of money becomes ₹12100 in 2 years at compound interest, compounded annually, at the rate of 10% per annum. The principal is:  
 A. ₹10000                                      B. ₹11000                                      C. ₹9000                                      D. ₹10500
3. If the cost price of 20 articles is equal to the selling price of 25 articles, the gain or loss percent is:  
 A. 20% gain                                      B. 25% gain                                      C. 20% loss                                      D. No gain, no loss
4. The population of a town increases by 10% in the first year and decreases by 10% in the second year. What is the net change in population?  
 A. No change                                      B. 1% increase                                      C. 1% decrease                                      D. 2% decrease
5. A dealer buys a cycle for ₹3000 and spends ₹300 on repairs. If he sells it for ₹3850, the gain percent is:  
 A. 10%                                      B. 15%                                      C. 16 $\frac{2}{3}$ %                                      D. 20%
6. The simple interest on a sum of money for 4 years at 12% per annum is ₹2400. The principal is:  
 A. ₹4000                                      B. ₹4500                                      C. ₹5000                                      D. ₹6000
7. A sum of money doubles itself in 5 years at simple interest. The rate of interest per annum is:  
 A. 10%                                      B. 15%                                      C. 20%                                      D. 25%
8. If the marked price of an article is 40% more than its cost price and the article is sold at a discount of 10%, then the gain percent is:  
 A. 20%                                      B. 25%                                      C. 26%                                      D. 30%
9. A shopkeeper marks his goods 25% above the cost price but allows a discount of 20%. His gain or loss percent is:  
 A. 5% gain                                      B. 4% gain                                      C. 5% loss                                      D. No gain, no loss
10. **Assertion (A):** Successive discounts of 10% and 20% are equivalent to a single discount of 30%.

**Reason (R):** Successive discounts are always added to find the net discount.

Choose the correct option:

- A. Both A and R are true and R is the correct explanation of A
- B. Both A and R are true but R is not the correct explanation of A
- C. A is true but R is false
- D. A is false and R is also false

**SECTION- B (04×02= 08 marks)**

11. What will be the discount of 35% on MRP Rs 200 ?
12. To prepare a particular millet kanji (porridge), suppose the ratio of millet to water to be mixed for boiling is 2:7. What percentage does the millet constitute in this mixture? If 500 ml of the mixture is to be made, how much millet should be used?
13. A cyclist cycles from Delhi to Agra and completes 40% of the journey. If he has covered 92 km, how many more kilometers does he have to travel to reach Agra?
14. Workers in a coffee plantation take 18 days to pick coffee berries in 20% of the plantation. How many days will they take to complete the picking work for the entire plantation, assuming the rate of work stays the same?

**SECTION – C (03×03= 09 marks)**

15. The rice stock in Raghu's provision store is getting old. He had purchased the rice at ₹35 per kg. To clear his stock, he sells 10 kg rice for ₹300. Find out the percentage loss.
16. Due to heavy rains, Snehal could not transport strawberries to Hyderabad from his farm in Panchgani. He sells some of his stock at ₹80 per kg with a 12% loss. What is the cost price?
17. A utensil store is offering a 35% discount on the cooker with an MRP ₹1800. What is the selling price? If the cost price was ₹900, what is the percentage profit made after the sale?

**SECTION-D (01×05= 05 marks)**

18. (a) A milkman sold two buffaloes for ₹80,000 each. On one of them, he made a profit of 5% and on the other a loss of 10%. Find his overall profit or loss.  
(b) Samson bought a car for ₹4,40,000 after getting a 15% discount from the car dealer. What was the original price of the car?

**SECTION- E (02×04= 08 marks)**

19. The post office offers an interest of 7% p.a. How much interest would one get if one invests ₹50,000 for 3 years without compounding? How much more would one get if it was compounded?
20. A bakery called Cakely is offering a 30% + 20% discount on all cakes. Another bakery called Cakify is offering a 50% discount on all cakes. Would you rather choose Cakely or Cakify if you want the cheaper cost?

