Assignment 3

1. Temperature Drop

The temperature in a hill station was 5°C in the morning. It dropped by 3°C every hour for 6 hours. What is the final temperature?

2. Bank Balance

Riya had ₹2,500 in her account. She withdrew ₹3,200 and later deposited ₹1,450. What is her final balance?

3. Elevator Movement

An elevator starts at the ground floor (0). It goes up 8 floors, down 11 floors, and then up 5 floors. Where is the elevator now?

4. Profit and Loss

A trader loses ₹450 on Monday, gains ₹300 on Tuesday, and loses ₹200 on Wednesday. What is the net result?

5. Submarine Depth

A submarine is at -120 meters. It rises 45 meters and then dives 80 meters. What is its final position?

6. Mountain Climb

A climber starts at sea level, climbs 850 meters, descends 300 meters, then climbs another 150 meters. What is the final altitude?

7. Score Tracking

In a game, a player earns +15 points for a win and loses -10 points for a loss. If they win 4 times and lose 3 times, what is their total score?

8. Daily Savings

Arjun saves ₹50 on weekdays but spends ₹30 on weekends. What is his total savings after 5 weekdays and 2 weekend days?

9. Temperature Variation

The temperature was -3°C at midnight. It rose by 7°C during the day and dropped by 10°C at night. What is the temperature now?

10. Stock Loss

A company's share value dropped by ₹15 per day for 7 days and then increased by ₹20. What is the total change?

11. Water Level Change

A tank loses 25 liters daily for 4 days and then gains 60 liters. What is the net change?

12. Exam Marks

A student gets +4 for each correct answer and -1 for each wrong answer. If they answered 20 questions correctly and 8 incorrectly, what is the total score?

13. Journey Movement

A person walks 12 km north, 7 km south, and then 5 km north again. What is the final position relative to the starting point?

FRACTION OPERATIONS (12 Questions)
14. Cake Sharing

A cake is divided into 8 equal parts. Rahul eats 3/8 and his friend eats 1/4 of the cake. How much cake is left?

15. Water Usage

A tank is filled to 3/5 of its capacity. 2/5 of the filled water is used. What fraction of the tank remains filled?

16. Distance Covered

A cyclist travels 2/3 of a distance in the morning and 1/4 in the evening. What fraction of the total distance is covered?

17. Rope Cutting

A rope of length 12 meters is cut into pieces of length 3/4 meter each. How many pieces are obtained?

18. Fraction Addition

A student reads 5/6 of a book on one day and 2/3 the next day. How much total of the book is read? Has the student completed the book?

19. Work Completion

A worker completes 3/7 of a task in one day and 2/7 the next day. How much work is left?

20. Milk Consumption

A family consumes 1/2 liter of milk in the morning and 3/4 liter in the evening. How much milk is consumed in total?

21. Painting Area

A painter paints 2/5 of a wall on day one and 1/3 on day two. What fraction of the wall is painted?

22. Fraction Subtraction

A jar contains 7/8 liter of juice. 3/8 liter is consumed. How much juice is left?

23. Speed Fraction

A car travels 3/5 of a journey at one speed and the remaining at another speed. What fraction is left after the first part?

24. Multiplication of Fractions

A farmer owns 3/4 of a land, and he cultivates 2/3 of it. What fraction of total land is cultivated?

25. Mixed Fraction Problem

A recipe needs 1 1/2 cups of sugar per cake. How much sugar is needed for 4 cakes?