SECOND TERM EVALUATION 2024-25

MATHS MODEL QUESTION PAPER 1
Standard: V
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Instructions:

- **Attempt any 5 questions out of the 7 given.**

- **All questions carry equal marks (5 Marks each).**

Question 1: Measurements

a) Convert the following:

i. 9 millimeters to centimeters.

ii. 2.78 meters to centimeters.

iii. Write 3 meters and 45 centimeters in decimal form (meters).

b) A rope is 4 meters and 65 centimeters long. Express its length in meters.

c) If a pencil measures 8.5 cm, how many millimeters long is it?

Question 2: Fractions

a) Draw a rectangle and shade $\frac{2}{5}$ of it.

b) Write $\frac{3}{6}$ as an equivalent fraction.

c) If a circle is divided into 10 parts and 4 are shaded, how many more parts need to be shaded to make it $\frac{3}{4}$ of the circle?

d) Simplify $\frac{8}{12}$ to its lowest terms.

e) Write $\frac{9}{8}$ as a mixed number.

Question 3: Mixed Numbers and Improper Fractions

a) Convert the following improper fractions to mixed numbers:

i. $\frac{13}{4}$

ii. $\frac{17}{5}$.

b) Write these mixed numbers as improper fractions:

i. Three and one-third.

ii. Five and two-fifths.

c) If a ribbon 2 meters long is cut into 7 equal pieces, what is the length of one piece? Write your answer as a fraction.

Question 4: Time

a) A train leaves Station A at 14:30 and reaches Station B at 21:45. How long is the journey?

b) A clock shows the time as quarter past 6. Draw the clock and mark the time.

c) Convert the following times into 24-hour format:

i. 7:15 PM

ii. 11:45 AM.

d) If the minute hand covers $\frac{1}{4}$ of a circle, how many minutes has it moved?

Question 5: Real-Life Problem Solving

a) A train scheduled to leave at 20:50 is delayed by 35 minutes. At what time does it leave? Write the answer in both 24-hour and AM/PM formats.

b) If a train journey starts at 19:25 and ends at 03:40 the next day, calculate the total duration of the journey.

c) If a person cycles 3.5 kilometers in 30 minutes, what is their speed in kilometers per hour?

Question 6: Decimal and Fractional Forms

Complete the table below:

Measurement	Fractional Form	Decimal Form
3 cm 7 mm		
8 liters 125 mL		
2 kilograms 650 grams		
5 meters 30 cm		

Question 7: Practical Fractions

a) A cake is divided into 12 equal slices, and 5 slices are eaten.

i. Write the fraction of the cake that is eaten.

ii. How many slices need to be eaten to make it $\frac{3}{4}$ of the cake?

b) Two liters of juice is poured equally into 5 bottles. How much juice is in each bottle?

c) Write $\frac{7}{10}$ and $\frac{14}{20}$ as equivalent fractions and verify their equality.