NALANDA V **Nalanda Vidyalaya – Colombo 10** DA VIDYALAYA

NALANDA VIDYALAY **Unit Test Project** NALANDA VIDYALAYA

| Grade 7 | Mathematics | **Unit : 22 -Percentages** |

Part I

(1) Write the percentage corresponding to each of the following fractions.

i) $\dfrac{40}{100}$ ii) $\dfrac{100}{100}$ iii) $\dfrac{110}{100}$

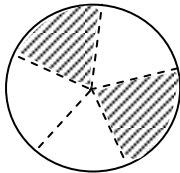(2) Write the fraction corresponding to each of the percentages given below.

i) 45% ii) 89% iii) 100%

(3) Write $\dfrac{8}{10}$ as a percentage

(4) Write the shaded part as a fraction of the whole figure, Indicate this as a percentage.

(5) Write the given decimal number as a percentage.

0.2

Part II

(1) i)

Consider the above diagram.

a) Write the shaded part as a fraction.

b) Write the shaded part as a percentage.

ii) A vendor bought 100 mangoes 10 were spoilt.

    a) Express the number of spoit mangoes as a percentage of the total number of mangoes.

    b) Express the number of good mangoes as a percentage of the total number of mangoes.

(2)   i) Fill in the blanks.

    a) $\dfrac{1}{4} \rightarrow \dfrac{\boxed{}}{100} \rightarrow \boxed{}$ %

    b) $\dfrac{\boxed{}}{25} \rightarrow \dfrac{28}{\boxed{}} \rightarrow 28\%$

ii) A person spends 2/5 of his monthly income on his children's education and 0.25 on food items.

    a) Express the amount he spent on his children's education as a percentage of his income.

    b) Express the amount he spent on food items as a percentage of his monthly income.

(3)   Fill in the blanks.

i) Represent 0.3 as a percentage.

    a) $0.3 \times \boxed{}$ % = 30%

    b) $\boxed{} \times 100\%\ = 5\%$

ii) The total marks given for an assignment was 50 Rumesh got 45 for the assignment.

    a) Write his marks as a fraction of the total marks.

    b) Write his marks as a percentage of the total marks.

iii) Mr. Saman's salary was 75000 rupees per month in last year. This year his monthly salary is 85000 rupees. Find the increment as a percentage.