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

NALANDA VIDYALAYA **Unit Test Project** AYA   NALANDA VIDYALAYA

| Grade 10 | Mathematics | **Square root** |

1) Find the square root of each of the following numbers.

   a) $\sqrt{9}$ b) $\sqrt{225}$ c) $\sqrt{289}$ d) $\sqrt{2209}$ e) $\sqrt{1024}$

2) Find the value of $\sqrt{4356}$ using following.

   $4356 = 2^2 \times 3^2 \times 11^2$

3) Write the following number as a product of prime factors and find the square root.

   11025

4) If $\sqrt{2} = 1.414$ find the value of $\sqrt{32}$

5) Write the following numbers as a product of prime factors and find the square root.

   a) $\sqrt{484}$ b) $\sqrt{676}$ c) $\sqrt{400}$ d) $\sqrt{1225}$ e) $\sqrt{144}$

6) Find the value accurate to the second decimal place, using division method.

   a) $\sqrt{7}$ b) $\sqrt{60}$ c) $\sqrt{275}$ d) $\sqrt{84.35}$ e) $\sqrt{235.416}$

7) Find the first approximation of the following.

   a) $\sqrt{40}$ b) $\sqrt{130}$ c) $\sqrt{70}$ d) $\sqrt{560}$