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

NALANDA VIDYALAY **Unit Test Project** NALANDA VIDYALAYA

| Grade 6 | Mathematics | Unit : 14 – Types of Numbers and Number Patterns. |

- Answer all the questions.

Part I

(1) What is the smallest prime number?

(2) What are known as composite numbers?

(3) What is the only even prime number?

(4) Is one a prime number? Give reasons.

(5) Find the 12th square number.

(6) The sum of two square numbers is 34. Find the two square numbers.

(7) Find the triangular number which is a prime number too?

(8) Find the 6th triangular number?

(9) Write two successive composite numbers.

(10) Write 21 as a product of two prime numbers.

Part II

(1) State whether the answer of each of following expressions is even or odd without solving.

i) 12 + 18 …………………

ii) 79 – 33 …………………

iii) 40 – 15 …………………

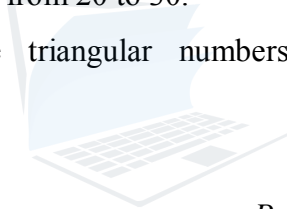iv) 54 × 16 …………………

v) 3×9 …………………

(2)   i) Write the odd numbers between 10 and 25.

    ii) Draw circles around the even number and draw squares around the odd numbers.

254   193   452   277   381   578

    iii) Write 3 even numbers and 3 odd numbers that can be written using the digits 8, 7, 3, and 0 exactly once.

(3)   i) What are known as square numbers.

    ii) Write the square numbers less than 20.

    iii) Write the composite numbers from 20 to 30.

    iv) The sum of two consecutive triangular numbers gives a square number. Write an example to prove this.

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