# **PRITHWI SECONDARY BOARDING SCHOOL** Basundhara, Kathmandu, Contact: 01-5904816

**ANNUAL EXAMINATION - 2077**

**Grade: V Full Marks: 50**

**Subject: Compulsory Mathematics Pass Marks: 20**

**Time: 1 hour 30 minutes**

**Group A: [20 \* 1 = 20]**

* 1. Select the correct answer from the given options.
     1. Which one of the following is one billion?
        1. 100000
        2. 1000000000
        3. 10000000
     2. Which is the smallest 6-digit number?
        1. 600000
        2. 666666
        3. 10000
     3. Which one is the prime number in the following numbers?
        1. 91
        2. 95
        3. 97
     4. What is the quotient of 72000900?
        1. 80
        2. 800
        3. 8
     5. The prime factors of 24 are:
        1. 2, 2, 3
        2. 2, 2, 2, 3
        3. 2, 3, 3
     6. What is the H.C.F. of 4 and 8?
        1. 12
        2. 8
        3. 4
     7. What is the L. C. M. of 15 and 20?
        1. 5
        2. 60
        3. 120
     8. Which one is the square number in the following numbers?
        1. 16
        2. 18
        3. 20
     9. What is the cube root of 8?
        1. 6
        2. 4
        3. 2
     10. Which one is the improper fraction equal to the mixed number ?
     11.  are:
         1. unlike and proper fraction
         2. like and improper fraction
         3. unlike and improper fraction
     12. What is the value of of Rs 30?
         1. 10
         2. 15
         3. 20
     13. What is the product of ?
         1. 2
     14. What is the difference of 0.5 – 0.05?
         1. 0.45
         2. 0.55
         3. 0
     15. What is the product of 3.2 x 8?
         1. 246
         2. 25.6
         3. 2.56
     16. What is the quotient of 2.5 0.5?
         1. 0.5
         2. 5
         3. 50
     17. What is the value of 20% of 40?
         1. 4
         2. 8
         3. 12
     18. How many minutes are there 2 hours?
         1. 60 min
         2. 90 min
         3. 120 min
     19. How many hours in 6:45 p. m. in 24-hour clock system?
         1. 18:45
         2. 15:45
         3. 12:45
     20. What is the sum of 40 min + 30 min?
         1. 1 hour
         2. 1 hour 10 min
         3. 2 hours

**Group B: [10 \* 1 = 10]**

* 1. Fill in the blanks.
     1. The numbers that can be divided by 2 are called ------------------numbers.
     2. The product of two numbers is 42 and one of them is 7. The other number is -----------.
     3. Cube root of 27 = -------------
     4. The prime factors of 15 are --------------and ----------------.
     5. In 0.07 the place of 7 is--------------and place value is ---------------.
     6. The reciprocal of is ----------------------.
     7. If the rate of cost of eraser is Rs 5 per piece, the cost of 6 eraser is ………………...
     8. There are ---------------months in 2 years 6 months.
     9. There are -------------------days in 2 weeks 4 days.
     10. 1 leap year = ---------------days.

**Group C [5 \* 4 = 20]**

* 1. Simplify:
  2. The cost of a book is Rs. 280.70 and the cost of a pen is Rs. 45.50. Find the total cost of these two items.
  3. There are 400 students in a school and 45% of them are girls.
     1. Find the number of girls.
     2. Find the number of boys.
  4. The cost of 5 books is Rs1500.
  5. Find the cost of one exercise book.
  6. Find the cost of 8 books.
  7. Garima bought a watch for Rs 1200 and sold it for Rs 1260.
     1. Find her profit.
     2. Find her profit percent.

*Best Wishes!!!*