MEN-TSEE-KHANG

**Mathematics examination paper for the recruitment of Mild therapists for Vana .
16th April, 2015.**

Time: 1 hour   *Max Marks   20 Marks*

General Instruction : This paper contents seven questions and each question is compulsory

1.   A magician is training for an underwater escape trick. Upon first trying she could hold her breath for 52 Seconds. Now, using different technique, she can hold it for 65 seconds. What is the percent of increase in how long she can hold her breath?   **(2 marks)**

2.   45 out of the 50 teachers is a school staff meeting were first year teachers. What percent of the teachers in the meeting were first year teachers?   **(2 marks)**

3.   Tenzin jarred 10 liters of jam after 5 days. How many days did Tenzin spend making jam if he jarred 14 liters of jam? Assume the relationship is directly proportional. **(2 marks)**

4.   A salesman sold twice as much pears in the afternoon than in the morning. If he sold 360 pears kilograms of pears that day, how many kilogram did he sell in the morning and how many in the afternoon?   **(2 marks)**

5.   May, Peter and Lucy were picking chestnuts; May picked twice as much chestnuts than Peter. Together the three of them picked 26 kg of chestnuts. How many kilo gram of chest nuts did each of them picked?   **(2 marks)**

6.   A student purchases a computer by obtaining a simple interest loan. The cost of the Computer is Rs 26,000/- and the interest rate on the loan is 12%. If the loan is to be paid in monthly installment over 2 years!   **(5 marks)**

        Calculate the following

        1.   The amount of Interest paid over the 2 years.
        2.   The total amount to be paid back.
        3.   The monthly installment to be made.

7.   Mr. Mohinder invested a sum of Rs. 10,000/- in a bank with a compound interest rate at 5% per annum. Find the total amount Mr. Mohinder shall receive by the end of three years from the bank.   **(5 marks)**