Dr. M.K.K. ARYA MODEL SCHOOL, PANIPAT

CLASS – VII

MATHS ASSIGNMENT

CH – 3 (DATA HANDLING)

1. The marks scored by 35 students in a mathematics test were as under:
   60, 65, 100, 70, 85, 75, 95, 90, 65, 70, 80, 95, 70, 75, 75, 70, 80, 80, 70, 75, 85, 85, 70, 90, 75, 75, 80, 80, 85, 85, 90, 75, 75, 80, 80.
   Prepare a frequency distribution table for the above data.
2. Find the mean of each of the following set of numbers:

a) First 7 natural numbers c) First 7 whole numbers

b) First 5 prime numbers d) ₹7, ₹19, ₹31, ₹43, ₹70

3. Find the mean of first ten odd numbers.
4. If the mean of x, x+2, x+4, x+6, x+8, is 24, find x.
5. Find the mean of the following frequency distribution:

Weight (kg)	30	31	32	33	34
Number of students	8	10	15	8	9

6. Nisha secured 73, 86, 78 and 75 marks in four tests. What is the least number of marks she can secure in her next test, if she has to have a mean score of 80 marks in 5 tests?
7. Find the median of the numbers 85, 86, 78, 89 and 64.
8. Find the mode of following set of data: 29, 29, 10, 10, 3, 3, 14, 10, 2, 3
9. Find the mode and the mean of the following set showing numbers of hours of operating life of 25 flashlight batteries:
   20, 21, 19, 22, 18, 23, 25, 22, 23, 20, 23, 20, 22, 21, 24, 21, 22, 23, 19, 21, 21, 22, 22, 24, 26, 22.
10. The table shows Arun and Sanjay's test scores. The tests were marked out of 20.

	English	Maths	Science	History	Geography	Hindi	Art
Arun	20	7	12	14	16	18	11
Sanjay	17	13	18	9	19	10	8

    Draw a dual bar chart to compare their results.
11. A jar contains 3 white, 4 blue, 5 red and 2 green marbles. If a marble is drawn at random from the jar, what is the probability that the marble is
    (a) white (b) red (c) blue (d) green (e) not white (f) not red
12. An ordinary pack of 52 cards is well shuffled. The top card is then turned over. What is the probability that
    (a) The top card will be a red card (b) The top card is a number card.
13. A fair dice is rolled. Find the probability of obtaining
    (i) a 5 (ii) an even number (iii) a prime number (iv) a 1 or a 2
14. A letter is chosen at random from the word 'ESTIMATE'. Find the probability that it will be (i) an E (ii) an S (iii) a T (iv) a letter other than A
15. Find the mode and median of the given set of data: 1, 2, 2, 3, 4, 2, 3, 3, 4, 3, 1.