

# WANDOOR GANITHAM - S S L C UNIT TEST 2021

**E1.11B**

**STATISTICS**

**Total Score : 15  
Time : 30 minutes**

1. The marks obtained by 12 students in an english exam are given below .

20 , 22 , 24 , 26 , 28, 30 , 32 , 34 , 36 , 38 ,40 ,42

What is the mean mark ? ( 1 )

2. The number of pictures drawn by the arts club members of a school are given below .

15 , 39 , 30 , 42 , 27 , 33 , 24 , 18 , 36 , 21

a) What is the mean of the number of pictures ?

b) What is the median of the number of pictures ? ( 3 )

3. The rain fall during one week of September 2019 in a place are given below .

35 , 31, 34 , 33 , 36 , 32, 30 ( in millimetres )

a) What is the mean rain fall in that place during this week ?

b) What is the median rain fall in that place during this week ? ( 3 )

4. 35 households in a neighbourhood are sorted according to their monthly income in the table below .

Monthly income (Rs )	Number of households
4500	3
5500	5
6500	9
7500	8
8500	6
9500	4

a) If the households are arranged in increasing order of monthly income , what is the monthly income of the household at the 10<sup>th</sup> position ?

b) If the households are arranged in increasing order of monthly income , the monthly income of the household at what position is taken as the median ?

c) Find the median of the monthly income ? ( 4 )

5. The table below shows the workers in a factory sorted according to their daily wages .

Daily wages (Rs)	Number of workers
650	5
750	8
850	10
950	12
1050	11
1150	8
1250	6

a) If the workers are arranged in increasing order of daily wage , what is the daily wage of the worker at the 20<sup>th</sup> position ?

b) If the workers are arranged in increasing order of daily wage , the daily wage of the worker at what position is taken as the median ?

c) Find the median daily wage ? ( 4 )