STEM & LEAF DIAGRAM

13000	18000	19000	15000	21000
12000	23000	22000	11000	23000

Goal: To minimize the repetitions of digits.

STEM	Leaf
1	1, 2, 3, 5, 8, 9
2	1, 2, 3, 3

Key:

1|5 means 15000

Its mandatory to write in increasing order.
Compulsory that both stem & leaf are integers.

30 The numbers of people travelling on a certain bus at different times of the day are as follows.

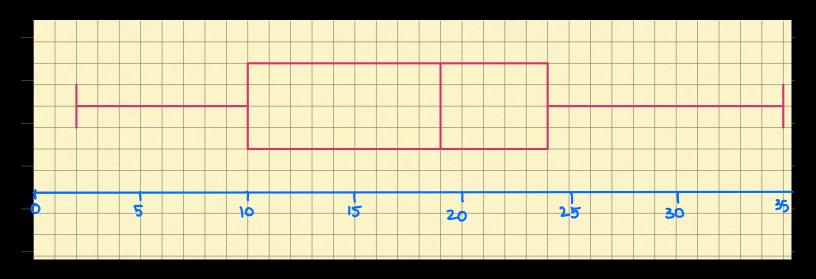| 17	5	2	23	16	31	8
22	14	25	35	17	21	12
6	23	19	21	23	8	26

(i) Draw a stem-and-leaf diagram to illustrate the information given above. [3]

(ii) Find the median, the lower quartile, the upper quartile and the interquartile range. [3]

0	2, 5, 6, 8, 8	(5)
1	2, 4, 6, 7, 7, 9	(6)
2	1, 2, 3, 3, 3, 5, 6, 7	(8)
3	1, 5	(2)

Key   3|4 means 34

1-	Max Value of Data	= 35
2-	Min Value of Data	= 2
3-	Upper Quartile	= 24
4-	Lower Quartile	= 10
5-	Median.	= 19

SYMMETRICAL

POSITIVE SKEW

NEGATIVE SKEW.