## Class Exercise 10

Andrew Student's Name:

## **Visual Presentation of Data**

Q1. Arrange the following data in ascending order (order of magnitude i.e. from smallest to largest).

(a) 7, 2, 10, 14, 0, 6, 15, 24, 8, 3

0,2,3,6,7,8,10,14,15,24

(b) 4.6, 8.1, 2.0, 3.5, 0.7, 9.3, 1.4, 0.8 0.7, 0.8, 1.4, 2.0, 3.5, 4.6, 8.1, 9.3

**Q2.** Arrange the following data in descending order.

(a) 14,2,0,10,6,1,22,13,28,4,8,16 28,22,11,14,13,10,8,6,4,2,1,10 0.9,0.7 0.3 0.3 (b) 1.2,3.5,0.1,0.3,2.4,8.6,5.0,3.7,0.9 8.6,5.0,3.7,0.9 8.6,5.0,3.7,0.9

Q3. Construct the frequency table for each of the following.

(a) A, B, 6, 5, Z, A, B, B, A, Z, S, Z, Z, Z, B, A, B, B, A, Z, B, A

(b) \$,7,5,4,5,\$,6,8,8,7,9,\$,5,6,1,1,8,9/4,6,1,6,5

Punte	Seavery
2	5
3	7
4	6
5	2
6	3

(b)	Number	Fequency
	4	2
	5	4
,	6	7
-	7	6
	8	2
	19	2

**Q4.** The marks obtained out of 25 by 30 students of a class in the examination are given below.

20, 6, 23, 19, 8, 14, 15, 3, 1, 12, 10, 20, 13, 3, 17, 10, 11, 6, 21, 8, 6, 10, 8, 4, 5, 1, 5, 11, 7, 24

Represent the above data as a grouped data taking the class interval (0-5)

**Q5.** These are the numbers of newspapers sold at a local shop over the last 10 days: 22, 20, 18, 23, 20, 25, 22, 20, 18, 20

(a) Find the frequency distribution.

(b) Find the cumulative frequency.

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(c) Find the grouped frequency distribution if they are grouped in 5s. X/15-19

s. X/15-19/28-29/

(d) Draw the histogram from grouped frequency distribution. Prepared

(bar chart)

C= y axis

2 VIII / ///////
15-19 20-29-25-29

**Q6.** A team scored the following numbers of goals in recent games (9,9,2,3,1,2,1,3,2,3,4,5,4,2,2,3,5,5)

- (a) Find the frequency distribution.
- (b) Find the grouped frequency distribution if they are grouped in 2s.
- (c) Draw the Ogive curve

	(a) Frequency 2 2 5 4 2 3	
	(b) grouped 0-1 12-2 2-3 2-4 4-5 Fequences 4 7 5	
	Score 10 1 2 3 4 0 Culmontal Sequencies Culmontal Sequencies	
	The feeting X = upon days  X = upon days  X = cupanda	
	Culvalle 8 + Regens class border A	1
The second secon	Converse 6 + 1.5 - 3.5   13   2-3   9   1.5 - 3.5   13   2-3   9   1.5 - 3.5   18   9   1.5 - 3.5   18   9   1.5 - 3.5   18   9   1.5 - 3.5   18   9   1.5 - 3.5   18   18   18   18   18   18   18   1	-
	(d)  A pper class  Comment (d)	
	(1.5, 4) $(3.5, 13)$ $(5.5, 18)$	1
	+17	