Salahaddin University–Erbil College of Basic Education Department: General Sciences		Module: Educational Statistics Stage: First

Q1/ From the following table.

5	4	5	8	3	8	4	3	5

1) Find **Mode**.
2) **Coefficient of Variation** C.V.
3) Find **Mean Deviation** M.D.

Q2/ **Define** each the following with **example**:

1) **Variable**, 2) **Nominal data**, 3) **Population**.

Q3/ If we select **sample size (45)** observation from **population size 620** observation which divided by 2 groups **A=250 and B=370**, therefor **by Stratified Sampling Method** select sample size in each group.

Q4/ From the following data**.**

Class	**1-4**	**5-8**	**9-12**	**13-16**	**17-20**	**21-24**	**25-28**
Frequency	3	2	7	10	1	6	6

1) Represent by **Histogram.**
2) Find **variance.**
3) Find **Median.**

Q5 : represent the following data by frequency table. And **Find Relative frequency .**
65,77, 56, 65, 65, 70, 65, 77, 72, 69, 70, 68, 59, 56, 77, 78, 66, 66, 65, 61, 60, 61,78, 70, 70

Q6- represent the following data by frequency table. And **Find Relative frequency .**
Aya, Nawal, Fatn, Aya, Fatn, Fatn, Huda, Aya, Suha, Suha, Aya, Aya, Fatn, Suha, Aya, Huda

Q7-

Example (2) : Construct a frequency distribution from the following data which represent the number of apple trees of 20 farmers:

29	40	50	24	20	25	50	60	71	15
20	45	55	8	69	61	33	30	20	31

Q8-

Example: Find the midpoint from the following frequency table:

Classes	2 – 4	5 – 7	8 – 10	11 – 13	14 – 16
f_i	5	7	3	4	1

Q9-

ex. Find the coefficient of variation
for the following frequency distribution table, where data is population

classes	f_i = frequency	x_i = Mid point	$f_i * x_i$	$x_i - \overline{X}$	$(x_i - \overline{X})^2$	$f_i * (x_i - \overline{X})^2$
20-24	4					
25-29	2					
30-34	10					
35-39	5					
40-44	9					
45-49	6					
	$\sum f_i = 36$					