



Nalanda Collage – Colombo 10

Grade 09 – Third Term

Unit Test 28

Mathematics

Data representation and interpretation

$1\frac{1}{4}$ hours

Part I

1. a) 10, 11, 11, 12, 13, 14, 14, 14, 15, 16
b) 34, 37, 39, 39, 41, 45, 49

Find, i. Range
ii. Mode
iii. Median
iv. Mean of the above given frequency distributions.

2. Complete fx of the following frequency distribution.

Weight (To the nearest kg)	No: of students (f)	fx
35	2	
37	3	
38	4	
39	2	
41	3	
42	1	

3. Find Mode, Median and Mean of the following frequency distribution.

Nos. of books	Nos. of students
20	3
22	5
23	4
28	6
33	5
35	2

4. Prepare a table using given data including class intervals as 10-14,15-19...etc.

11, 22, 35, 39, 40, 15, 27, 39, 42,
33, 17, 11, 28, 37, 41, 13, 23, 34,
44, 13, 17, 12, 28, 30, 26

Part II

1. Following data distribution shows information about sales of milk powder in a grocery store.

7, 12, 20, 17, 14, 15, 19, 20, 15, 8, 11, 17,
15, 13, 19, 19, 15, 9, 17, 20, 10, 14, 18, 15,
9, 7, 11, 16, 17, 14

- i) Find the range of above given data.
- ii) Using above data prepare an ungrouped frequency distribution.
- iii) Find the mode.
- iv) Find the median.
- v) Find the mean sale of milk powder packets per day (to the nearest whole number).

2. Following marks are obtained by 40 students in a class for a monthly test.

80, 75, 98, 92, 87, 40, 23, 37, 49, 90
18, 53, 7, 90, 52, 67, 39, 59, 42, 79
94, 39, 78, 47, 28, 32, 47, 58, 72, 88
91, 59, 64, 83, 86, 70, 50, 77, 83, 89

- i) Find the maximum and minimum mark obtained by students.
- ii) Find the range of the data distribution.
- iii) Prepare a table under 10 class intervals and find mean of it.
- iv) Find mode and median.

3. Find the marks obtained by students of your class for Science in last term test and prepare a frequency distribution and answer the above given questions in 2.