



DOON UNIVERSITY, DEHRADUN

Semester Mid-term Examination, 2014

School of environmental science

M.sc. 3rd sem (Environmental science) EES 532

Course: EES-554: statistic and computer application

Time Allowed: 2 Hours

Maximum Marks: 30

Note: Attempt All Questions from Sections A, B, C.

SECTION: A (Short Answer Type Questions/ to be answered in about 25/75 words.

Attempt any three Questions (3*2=6 marks)

1. Differentiate between tabulation and classification of data.
2. What are the essential parts of the tables?
3. The median of the observations 8, 11, 13, 15, $x+1$, $x+3$, 30, 35, 40, 43 arranged in ascending order is 22. Find x .
4. Write down the formula for range, interquartile range, quartile deviation and coefficient of quartile deviation.

SECTION: B (Short Answer Type Questions to be answered in about 100/250 words.

Attempt any three questions. (4*3=12 marks)

1. Calculate the mode of the following frequency distribution.

Size	4	5	6	7	8	9	10	11	12	13
Frequency	2	5	8	9	12	14	14	15	11	13

2. Calculate Q_1 , Q_2 , and D_2 from the following data.
3. What are the frequencies. Discuss the frequency distribution.
4. Explain the types of Classification.

SECTION: C (Long Answer Type Questions to be answered in about 750 words.

Attempt any two Questions. (2*6=12marks)

1. Define statistics and discuss its scope and limitation with its characteristics.
2. The following table gives heights of boys and girls studying in a college. Find
 - I. standard deviation of the height of boys and girls taken together
 - II. whose heights are more variables?

	Boys	Girls
number	400	100
Average height	68 inch	65 inch
variance	9	4

3. what are the primary purpose of graph? Describe the various types of graph and their uses.