



Assignment

ABHYAS Academy,

Near Govt. College, Nishat Cinema Road,
Ambala Cantt., Haryana (India)

Phone: +91-171-2631595, +91-9416541198

e-Mail: anusethi1968@yahoo.com

www.abhyasonline.in

Date: ___ / ___ / ___

Name: _____

Max Marks: 25

Section- A (One Marks Each)

- 1 What is the mean of the first ten multiples of 7?
- 2 If x_i 's are the mid-point of the class intervals of the grouped data, f_i 's are the corresponding frequencies and \bar{x} is the mean, then what is the value of $\sum f_i(x_i - \bar{x})$?
- 3 For the following distribution, what is the modal class?

Marks	0-10	10-20	20-30	30-40	40-50
Number of Students	8	9	13	30	18

Section-B (Two Marks Each)

- 4 From their mean, find the sum of deviations of the variate values: 3, 4, 6, 7, 8 and 14.
- 5 The following table gives the number of pages written by Sania for completing her own book in 30 days. Find the mean number of pages written per day.

Number of pages written per day	16-18	19-21	22-24	25-27	28-30
Number of days	4	2	4	10	10

- 6 For the following distribution, what is the mean of marks?

Range of marks	0-5	5-10	10-15	15-20	20-25
No. of Students	8	12	5	8	7

Section-C (Three Marks Each)

- 7 To find out the concentration of NO_2 in air, the data given below was collected for 30 localities in a certain city. Find the mean of the concentration of NO_2 in air using assumed mean method.

Concentration of NO_2 (in ppm)	0.00-0.05	0.50 - 0.10	0.10 - 0.15	0.15 - 0.20	0.20 - 0.25	0.25 - 0.30
Frequency	4	9	9	2	4	2

- 8 Find the mean marks from the following data:

Marks	Below 10	Below 20	Below 30	Below 40	Below 50	Below 60	Below 70	Below 80	Below 90	Below 100
No of Student	5	9	17	29	45	60	70	78	83	85

- 9 Find the mean of the given data using assumed mean method

Class Interval	0-20	20-40	40-60	60-80	80-100	100-120
Frequency	10	35	52	61	38	29

- 10 Find the values of f_1 and f_2 of the frequency, if the mean of the following frequency distribution is 21.4 and the total frequency is 40.

Class Interval	0 - 8	8 - 16	16 - 24	24 - 32	32 - 40
Frequency	6	f_1	10	f_2	9

Section-D (Four Marks Each)

- 11 The population of 50 villages is recorded and summarised as follows. Find the mean using step deviation method.

Population	5500 - 6500	6500 - 7500	7500 - 8500	8500 - 9500	9500 - 10500	10500 - 11500
Number of villages	10	12	5	7	9	7