

# ILVA COMMERCE & SCIENCE COLLEGE

## Internal Examination- 2020-21

### Class BBA III<sup>rd</sup> SEM

### Subject: Business Statistics

#### Note- Attempt All Questions-

- Q. 1 (A) Explain :- (1) Frequency Polygon (2) Histogram  
(B) Write note on "Role in Statistics in Management Decision."

- Q. 2 (A) Define Mean, Median, Mode and discuss that relative merits and demerits  
(B) Calculate Mean, Median, Mode for the following data pertaining to marks in Statistics out of 140 marks for 80 in a class a class

Marks More than	0	20	40	60	80	100	120
No. of Students	80	76	50	28	18	9	3

- Q.3 (A) Find the 7<sup>th</sup> deciles and 85<sup>th</sup> percentile for the following data.

Marks	Under 20	10-20	20-30	30-40
No. of Student	8	12	20	32
Marks	40-50	50-60	60-70	70 & above
No. of Student	30	28	12	4

- (B) Find the missing frequency from the following data

No. of tablet.	4-8	8-12	12-16	16-20	20-24	24-28	28-32	32-36	36-40
No of person cured	11	13	16	14	?	9	17	6	4

- Q. 4 (A) Calculate Mean coefficient of Dispersion and Median coefficient of Dispersion from the following data

Goals	10	15	20	30	40	50
Frequence	8	12	15	10	3	2

- (B) Calculate mean deviation about mean, median and their coefficient from the following data.

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70
No. of Student	10	12	8	15	14	11	20

- Q5 (A) Find the Standard deviation and coefficient of variation from the following frequency distribution.

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No. of Student	5	10	20	40	30	20	10	5