

Bharati Vidyapeeth
(Deemed to be University), Pune

School of Distance Education

Assignment No.	01	Name of the Assignment Setter:		Miss Pratiksha Patil	
Course:	2018	Class:	F.Y.B.Com	Semester:	I

Subject:	Business Mathematics and Business Statistics-I
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Q.1 Attempt **ANY ONE** of the following: **(10)**

Class	140-144	145-149	150-154	155-159	160-164
f	02	17	29	21	03

a) Following frequency distribution of heights in cm:

With reference to above table obtain:

- i) Mid point of 2nd class ii) width of any class iii) frequency of 4th class
 - iv) lower limit of 3rd class v) upper boundary of 4th class .
- b) A sold a car to B at 15% profit, B sold the car to C at 5% profit for Rs. 89,985/-. Find the price at which A had purchased the car.

Q.2 Attempt **ANY TWO** of the following: **(10)**

a) Draw the ogive curve for the following frequency distribution :

Weight in kg.	0-10	10-20	20-30	30-40	40-50
No. of Students	3	5	12	20	10

b) Following data indicate spelling mistakes committed by 25 students when words were dictated: 0,1,1,3,5,0,0,1,1,3,2,3,1,1,0,0,1,1,0,1,2,3,1,0,5.
Prepare frequency distribution of the above data.

c) i) Find 30% of 230.

ii) Express $\frac{2}{5}$ as percentage.

d) Monthly salaries of Ramesh and Rahul are in the ratio 4:5. The company offer them an increment of Rs. 1500/- each. The ratio of new salaries 11:13. Find the salary of each one.

Q.3 Attempt **ANY TWO** of the following:

(10)

- a)** Write note on importance of statistical methods
- b)** Describe the scope of statistics in the field of Economics and Industry.
- c)** Define percentage and proportion .
- d)** Explain types of shares.