Assignment

Sem-1

MDC –(Stat)

	Unit-1 Linear Correlation
Q-1	What is Correlation? Write down its properties.
Q-2	Difference between Correlation and Regression.
Q-3	Find correlation coefficient by Karl Pearson's method

x	47	53	58	86	62	68	60	91	51	84
y	39	65	62	90	82	75	25	98	36	78

Q-4	Find rank correlation coefficient from the following data:

x	20	22	25	18	19	18	18	26	30	31
y	11	11	11	11	11	11	11	11	11	11

	Unit-2 Association Attribute
Q-1	Define Association Attribute. Its types of Association Attribute.
Q-2	Explain Yule's Method.

Q-3

	B	β
A	30	70
α	60	70

Find out coefficient of association by proportion and yule's method.

	Unit-3 Time Series

Q-1	Write short note on:
	  a) Component of time series
	  b) Seasonal and cyclical variations
	Utility of study of time series

Q-2	Taking four yearly moving averages determine trend and shirt term variation for the following time series and also obtain short term variation.

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Index No.	500	356	410	445	389	381	326	417	411	339

Q-3	Find three and Five yearly moving Averages for the following time series and also obtain Short term variations.

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Y	110	115	100	90	80	95	85	75	60	65	70	55

	Unit-4 Index Number
Q-1	State Characteristic of Index number.

| Q -2 | State the uses of cost living index number and limitation of cost of living index number. |