

**Bharati Vidyapeeth**  
**(Deemed to be University), Pune**  
**School of Distance Education**

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Assignment No.: 1

<b>Course:</b>	MCA	<b>Class:</b>	MCA I	<b>Semester:</b>	II
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<b>Subject:</b>	Statistical Techniques
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**Q.1) Attempt ANY ONE of the Following (1000 Words) (10)**

- a) Define Statistics and explain its importance in Business.
- b) State various statistical organizations in India and explain their functions in brief

**Q.2) Attempt ANY TWO of the Following (800 Words) (12)**

Find the mean, median and mode for the set of numbers

- a) (a) 3, 5, 2, 6, 5, 9, 5, 2, 8, 6;  
(b) 51.6, 48.7, 50.3, 49.5, 48.9.

Find Yule's coefficient of association between eye colour of fathers and their respective sons from the following data.

- b) Fathers with dark eyes having sons with dark eyes = 60  
Father with not dark eyes but sons with dark eyes = 80  
Fathers with dark eyes but sons with not dark eyes = 90  
Fathers with not dark eyes but sons with not dark eyes = 770

From the data given below calculate two regression lines and

- c) (i) Estimate X when Y is 58  
(ii) Estimate Y when X is 30

X	46	35	37	49	60	31	44
Y	27	29	33	40	31	37	38

Find coefficient of variation from the following data and state which batsman is more consistent.

- d) 

Score of A	10	80	4	145	45	4	87
Score of B	67	45	60	54	32	67	61

**Q.3) Write Short Notes on (ANY TWO) (08)**

- a) Scatter Diagram

- b) Skewness and Kurtosis
- c) Time series analysis
- d) Types of data

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