

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

Name of the Assignment		Dr, Vishal Deshmukh			
Setter:					
Course:	MCA	Class:	MCA I	Semester:	I

Subject:	104- Computational Statistics
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Q.1)	Attempt ANY ONE of the Following (1000 Words)										(10)	
	a) Define Statistics and explain its importance with suitable examples.											
	b) Explain various types of data with suitable examples.											
Q.2)	Attempt ANY TWO of the Following (800 Words)										(12)	
	a) Calculate Karl Pearson's coefficient of Correlation for the following data.											
	X	36	38	30	45	40	41	38				
	Y	63	64	70	61	58	62	66				
	b) Compute two regression equations for the following data											
	X	56	50	67	53	59	60	55				
	Y	78	89	80	84	88	82	79				
	c) Calculate the trend values by the method of 4- yearly moving averages											
	Year	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
	Production	464	515	518	467	502	540	557	571	586	612	
	d) Calculate											
	Year	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80			
	Production	12	16	26	38	22	15	7	4			
Q.3)	Write Short Notes on (ANY TWO)										(08)	
	a) Moments, Skewness and Kurtosis											
	b) Concept of Prediction Model											
	c) Measures of Central Tendency											
	d) characteristics of good measure of dispersion											
