Sul Tir	bject ne: 1 ruction		STER–II • E Statistics pm			– SUMM I	IER ( Date:			
		Attempt all question Make suitable assur Figures to the right	nptions where	•	•					
Q.1	(a) (b)	Write a note on Mean and Median. Describe the advantages and limitations of Sampling.								
Q.2	(a)	Develop a Regressio X 10	14	16		11		13		
	(b)	Y 9 Explain following te 1) Mode Deviation	7 rms. 2) Percentile	3) Correlat	ion	3 4) Sampl	e spa	4 ce 5) S	tandard	
		Frankin stars inserts		OR						
Q.3	(b) (a)	Explain steps involved in Sampling Process. What is the probability that a leap year selected at random will contain 53 Saturdays?								
	(b)	A salesman has a 60% chance of making a sale to each customer. The behavior of successive customers is independent. If two customers A and B are entered, what is the probability that the salesman will make a sale to A or B?								
Q.3	(a)	What do you meant by uniform distribution? Find the Mean and Standard Deviation if values are between 200 and 240.								
	<b>(b</b> )	Explain Baye's Theorem of probability with suitable example.								
Q.4	(a)	Define Primary and Secondary Data. Describe the various methods of collecting Primary data.								
	(b)	What are the characteristics of Normal Distribution? OR								
Q.4	(a)	Find Q3 and Range from the following data.         71       88       100       94       87       65       93       72       83       45       104       91								
	(b)	Compute Expected Value of the outcomUNITS250004			40000         55000		104         91           70000         0.15			
	<ul> <li>5 (a) Use Normal Distribution with Mean 12.5 and Standard Deviation 3.06. Calculate,</li> <li>1) P (x≥10)</li> </ul>						j.			
Q.5	(a)	Calculate,								

Q.5 (a) The number of Customers arriving at a railway reservation counter on 7 days of a week is 160, 140, 130, 90, 100, 80 and 95 [in "000"]. Find the weekly average number of customers.

07

	Income (rs.)	Electric Bill (rs.)
MEAN	42000	2460
STANDARD	1200	120
DEVIATION		

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