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Code No: PD404 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD Pharm.D IV Year Supplementary Examinations, October/November - 2019 BIOSTATISTICS AND RESEARCH METHODOLOGY

Time: 3hours Max.Marks:70		
Answer any five questions All questions carry equal marks		
1.	Write about the following: a) Clinical study design – Interventional studies b) Determination of sample size.	[7+7]
2.	How do you write a report of scientific investigation and explain various me presentation of data?	ethods for [14]
3.	Write notes on the following:a) Merits and demerits of meanb) Coefficient of variationc) Chi-square test.	[5+4+5]
4.	Write in detail about the following:a) Histogramb) Scatter plotsc) Semilogarthimic plots.	[4+5+5]
5.	Explain with example the use of computers for pharmaceutical care in comparison pharmacy. Add note on prevalence.	ommunity [14]
6.	 Write short notes on the following: a) SAS b) Null hypothesis c) Wilcoxan's signed rank test. 	[5+4+5]
7.	In a HPLC analysis the peak height (mm) vs. concentration (mg/ml) of a drug s as follows:	olution is
	Conc. 5 10 15 20 30 35 40 45 Peak height 50 150 145 190 180 310 285 395 385 Calculate Pearson's correlation coefficient for the above data.	[14]
8.	Write in brief about the following: a) Patient record database management	
	b) Inventory control in hospital pharmacy.	[7+7]

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