C.U.SHAH UNIVERSITY Winter Examination-2019

Subject Name: Research Methodology and BiostatisticsSubject Code: MRM301TBranch: M.Pharm (Pharmaceutics, QA)Semester : 3Date : 13/11/2019Time : 02:30 To 05:30Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1 Attempt the following questions:

(20)

- a) Correlation
- **b**) Quarantine
- c) P values
- d) F-ratio
- e) Degree of freedom
- **f**) Sample size
- g) Cross over design
- **h**) Autonomy
- i) Students "t" test
- **j**) Fatality

Attempt the following questions:

Q-2		Attempt any two of following :	(20)
	Α	Describes various research processes with the help of flow chart.	10
	В	Write a note on chi square test and wilcoxan rank tests	10
	С	Describe diagnosis, treatment and control of disease in medical research.	10
Q-3		Attempt any Seven of following :	(35)
	Α	Describe briefly vendor relationship in medical research.	5
	В	Write a note on record keeping as per CPCSEA guideline.	5
	С	Enumerate types of sample design.	5
	D	Discuss the ethical principles for medical research involving human subjects	5
	Ε	Write a note on transport of lab animals as per CPCSEA guideline.	5
	F	Discuss the important of review of literature in Research.	5
	G	Describe the crossover design.	5
	Н	Write a note on coding in content of ANOVA.	5
	Ι	Write a note on online business practices in Medical Research	5

