PARUL UNIVERSITY FACULTY OF APPLIED SCIENCE M.Sc., Winter 2018-19 Examination

Enrollment No:_____

Subject Code: 11209105							Date: 10/12/2018 Time:10:30 A.M. to1:00 P.M. Total Marks: 60		
Instruc	tions:								
	uestions are com	pulsory.							
	es to the right ind		narks						
	suitable assump			irv					
	new question on		ver neeessa	uy.					
	Essay type/ Bri		1) (Feeb o	f 08 morte	,				(08)
Q.1. A)	(a) The frequen					of a given	vorioty is ai	van halow	(00)
						s of a given	variety is gr	ven below	
	calculate the		1	1		450 450	4.60, 4.60	450.450	7
	Weight in	410-419	420-429	430-439	440-449	450-459	460-469	470-479	
	gms:								_
	No. of	14	20	42	54	45	18	7	
	mangoes								
Q.1. B)	Answer the foll	lowing que	stions (Any	v two)					
(a) Short note/ Brief note (2x2) (Each of 02 marks)									(04)
	1. What is ra	ndom exper	iment?						
	2. Definition	of statistics	and their t	ypes?					
	(b) Write a Shore	rt note on tr	ial and ever	nt.					(04)
	(c) Write a Shor				n coefficien	nt formula.			(04)
O.2. A)	Answer the foll		•						(-)
L ,	(a) Short note/ I			of 02 marks)				(04)
	1. Define v		(Lucii (/				(01)
	2. Define In		event						
		-		one of statis	tics in resear	rch			(04)
(b) Discuss an importance and limitations of statistics in research.Q.2. B) Answer the following questions (Any two)									(04)
Q.2. D)				(100)					(02)
	(a) Short note (I		narks)						(03)
	1.Define mea								
	2.Define pro								
3.Define median (b) Write a Short note on scatter diagram.									(0.0)
	· /		U						(03)
(c) Write a Short note on demerits of mode.									(03)
Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks)									(08)
(a) Explain Poisson distribution.									
(b) Explain Binomial distribution.									
Q.3. B) Answer the following questions (Any two)									
(a) Short note/ Brief note (2x2)/ (Each of 02 marks)									(04)
1. Write a Short note on population									
	2. Write a S	Short note of	n sample						
	(b) Write a Short note on merits of median and mean.								
	(c) Write a Shor								(04) (04)
0.4 . A)	· · /								(*•)
2 ···· ·1)	 Answer the following questions. (a) Short note/ Brief note (2x2) (Each of 02 marks) 								
	Find the correlation coefficient by Karl- Pearson's correlation coefficient method.								
						25		27	7
			_		24		26	27	-
	Y 1	-	-		18	19	20	21	
A .	(b) Write a Shor				, Median an	nd Mode).			(04)
Q.4. B)	4. B) Answer the following questions (Any two)								
	(a) Short note/ Multiple choice questions. (Each of 01 marks)								
	1. What is qualitative data?								
	2. What is bivariate data?								
	3. What is quantitative data?								
(b) Application of probability in various fields.									(03)
	(c) Write a Shor	-	•		– II error.				(03)
	()	· · · · · · · · ·		- Jr•					(00)