SEAT No.

No. of Printed Pages : 02

## SARDAR PATEL UNIVERSITY T.Y.B.Sc.(FIFTH SEMESTER) EXAMINATION

## 2017 Friday, 17<sup>th</sup> November 10.00 am to 1.00 pm

	US05CENV06 Population	Biostatistics Total Marks -70		
Q.1. Select the c	orrect answer and write i	t in the answer sh	(10)	
Demographic (a) Industrial	transition is an important fa (b) Commercial	actor in (c) Population	growth (d) Economic	
(a) Ethos	ved from Greek word (b) Etuis	(c) Evores	(d) Educes	
3. Kidneys are ma	ainly affected by (b) Nephrotoxic	agents (c) Neurotoxic	(d) Cytotoxic	
4.Hyperkeratosis (a) Barium	is a pathological effect of (b) Copper	(c) Lead	metal (d) Arsenic	
(a) RPMT	cholerae was isolated by (b) GeorgesI.	(c) 1. Widdi	(d) Robert Koch	
(a) 4.3	hector bio-producti (b) 1.2	(0) 119		
(a) 26	(b) 30	(0) 1	pounds CO <sub>2</sub> in atmosphere (d) 56	
8.Frequency dis	stribution table can be comp (b) Binominal	pared with (c) Both of ab	standard distributions bove (d) None of above	
9. Map diagran (a) Geographic	n shows dis	tribution of various (c) Imaginary	s frequencies (d)Tabular	
10. Quota sam (a) two	pling has mainly (b) three	types (c) four	(d) five	
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CP. T.O.)

Q.2. Answer the following in brief (Any Ten)  1. What is the need of Environmental Ethics? Explain.						(20)		
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					Diminishir	ig or biold	gicai capit	aı
		term factor		-	•			
		te on effec		ury on put	lic health			
		Polio disea		,	N 75.1			
	ne the term	( )	Health	`	i) Disease			
		able ways		-				
					sustainable			
					in home a	nd yard st	ıstainably	
		about aritl		an				
<b>11.</b> Dis	cuss cluste	er sampling	5					
<b>12.</b> Wh	at is samp	le and sam	pling?					
0.2 (a) T	Tulto la laui	of all and an				-41		(0.5)
			_	_	population	•	-41-1 - O	(05)
( <b>b</b> ) 1	oiscuss: Ho	owguiding	principles	neips to fo	ollow enviro <b>R</b>	onmental	ethics?	(05)
Q.3 (a)G	ive a note	on basic di	rectives of	f environm	ental ethics	5		(05)
$W(\mathbf{d})$	ritea note	onLogistic	growth c	urve for po	pulation st	udies		(05)
Q.4 (a) I	iscuss effe	ects of seve	ere enviror	ıment				(05)
(b) (	ive a note	on HIV w	ith approp	riate diagr	am			(05)
				O	R			
Q.4 (a) V	Vrite a note	e on types	of stress					(05)
(b) I	iscuss the	effects of	disease ca	using path	ogens in wa	ater		(05)
Q.5 (a) Discuss imperative for sustainable development					(06)			
(b)H	ow can on	e have imp	rovement	of vehicle	fuel efficie	ncy sustai	nably?	(04)
				O	R			
Q.5 (a) V	Vrite a note	e on contro	ol of noise	pollution				(06)
(b)G	ive a brief	note on en	vironment	tal degrada	tion and co	nservatio	n issues	(04)
				٠				
Q.6 Give	a detailed	note on m	ethods to p	present sta	tistical data			(10)
				O	R			
Q.6 Calc	ulate mean	i, median, i	mode and	standard d	eviation of	given data	a	(10)
Class	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90

Class	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90
Frequenc	32	29	21	23	46	10	35	41

