Total No. of Printed Pages:02

SUBJECT CODE NO: - S-6073 FACULTY OF SCIENCE AND TECHNOLOGY

M.Sc. (Sem-III) (Zoology (Old)) Examination May / June - 2023 Quantitative Biology - 502

[Tin	ne: 3:00 Hours] [Max. Marks	j: {
	Please check whether you have got the right question paper.	
N. B	3. 1) Part 'A' is Compulsory	
	2) Attempt any five question from part 'B'	
	3) Draw neat & well Labelled diagrams wherever necessary.	
	PART-A	
Q1	Attempt the following multiple-choice questions.	20
X -	1. When mean, median, and mode are identical, the distribution is:	
	A. Positively Skewed B. Negatively Skewed	
	C. Symmetrical Bivariate D. Uniform	
	2. The appropriate average for calculating average percentage increase in	
	population is	
	A. Arithmetic Mean B. Harmonic Mean	
	C. Mode D. Geometric Mean	
	3. Cumulative frequency is	
	A. Decreasing B. Increasing	
	C. Different D. None of these	
	4. Which mean is most affected by extreme values?	
	A. Geometric Mean B. Harmonic Mean	
	C. Arithmetic mean D. Trimmed Mean	
	5. The measures of dispersion are changed by the change of:	
	A. Scale B. Origin C. Unit D. None of these	
	6. Statistics results are:	
	A. Absolutely Correct B. Not True	

D. Universally True

C. True on Average

	7. Suili of abso	iute dev	ranons	about	mediai	1 12						
	A. Zero	B. M	aximun	n e	C. Mir	nimum	I	O. One				
											(3)	,
	8. Which meas	ure of d	lispersio	on ensu	ires the	highes	st degr	ee of r	eliabil	ity?		
	A. Range B. Mean Deviation											
	C. Quartile I	Deviatio	on 💉	D.	Standa	rd Dev	iation					
	9. A set of valu	O. A set of values is said to be relatively uniform if it has:										
	A. High Disp	A. High Dispersion B. Zero Dispersion										
	C. Little Dispersion D. Negative Dispersion											
	10. Statistics are	aggreg	ates of									
	A. Methods	В	. Calcul	ations	C	Facts	100 I	D. Data	io)			
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De	scribe Coefficien	t of Std	. deviat	ion and	d Coeff	icient (of Vari	iation.				1.
									A.			
Ex	plain probability	distribu	tion and	d their	proper	ties.						1.
	A SECOND											
Wl	nat is Database? H	Explain	Biologi	cal dat	abase.							12
Wł	nat is the differen	ce betw	een one	way A	ANOV	A and t	wo wa	y ANO	OVA.			12
	9, 74,			90								
Da	scribe the data m	ining m	ethods	of sear	ianca a	nalveic						12
De	scribe the data in	ming m	ieulous	or sequ	ience a	marysis	•					1.
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	lculate the correla	ation co	efficien	t betw	een the	height	of the	tather	and h	is son	from	1
	en data:	70,			50		490			ı .		
	Height of father	65	66	67	68	67	69	70	64	65	63	
10	(inches)	9.	67	Č	7	6						
0	(inches)											
0	Height of son (inches)	68	65	68	70	67	68	72	66	68	62	