Number, TOTO			2024 (1 st -A DIATE PART-	II (12 th Class)	Roll No:						
BUSINESS STATISTICS (COMMERCE GROUP) PAPER-II TIME ALLOWED: 15 Minutes OBJECTIVE MAXIMUM MARKS: 10											
Q.No	correct, fill tha	at bubble in front	objective type question as A, B, C and D. The choice which you to of that question number, on bubble sheet. Use marker or pen to yo or more bubbles will result in zero mark in that question.								
S.#	OUEST		A	В	С	D					
1	An index number scope is:		Price index number	Quantity index number	Special purpose index number	General purpose index number					
2	An index number a single variable is		Simple	Composite	Weighted	Un-weighted					
3	An arrangement of sets of objects in a is:		Factorial	Combination	Super set	Permutation					
4	If the probability that it will rain is 0.3, the probability that it will not rain is:		0.3	0.5	0.7	One					
5	In plural sense, "Statistics" means:		Methods	Numerical data	Primary data	Secondary data					
6	The mid point of the group 9.5 - 10.5 is:		11.0	10.5	10.0	9.5					
7	If a frequency curve has a longer tail to the right it is:		Positively skewed	Negatively skewed	Symmetrical	U-shaped					
8	A distribution havis:	ring one mode	Multi-modal	Bi-modal	Tri-modal	Uni-modal					
9	If $n=10$, $\sum X = 1$ Arithmetic Mean		50	60	70	700					
10	The most frequent value in the data is:		Mean	Mode	Median	Weighted mean					

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	INTE	Noll N	o: M	TN->	y							
BUSINESS STATISTICS (COMMERCE GROUP) PAPER-II												
	E ALLOWED: 1.45			ECTIVE			MARKS	: 40				
	: Write same question											
11011	. The man question		SECTIO									
2. A	ttempt any six part	ts.					6 × 2	= 12				
(i)	Define Primary data by		ample.									
(ii)	Differentiate between											
(iii)	Enlist the functions of Statistics.											
(iv)	What is tabulation?											
(v)	Describe geographical classification.											
(vi)	List the types of tabulation.											
(vii)												
(viii)	A fair die is rolled once	e, what is the	probability o	f getting (1)	SIX? (1	i) Even nu						
(ix)	If A and B are two in		ents and $P($	(A) = 0.40, P	(B) = 0.33	. Find	$P(A \cap B)$					
	ttempt any six part						6 x 2	= 12				
(i)	Given $U = \frac{X - 25}{5}$, $\sum fu = -46$, $\sum f = 50$. Find arithmetic mean.											
(ii)	If (i) $\sum (X-50)^2 = 10^2$	0 (ii) $\sum (X-1)^{-1}$	$(20)^2 = 25$ (iii) $\sum (X-46)$	$1^2 = 16$,							
	what is value of mean											
(iii)	Define arithmetic mean											
(iv)	Find Mode if Mean = 2											
(v)	Write down the advant											
(vi)	Define weighted arithm			.1 1		<u></u>						
(vii)	Distinguish between fi		hain base m	ethod.								
(viii)	What is meant by Lasp	eyre's Index'?			<u> </u>							
(ix)	What is Base period?		OT OTHE									
			SECTIO	N-11				16				
	E: Attempt any tw						2 x 8	3 = 16				
4.(a)	Following data relates				es.			04				
	Make frequency distril											
	2, 4, 2, 4, 5, 6, 7, 2, 3, 4, 5, 6, 3, 2, 3, 4, 5, 3, 2, 7, 6, 3, 4, 3, 4, 3, 5, 3, 3, 4, 5, 6, 3, 4, 5, 7, 6, 5, 3, 2, 5, 4, 3, 4, 5.											
	Draw frequency polyg			, ,, ,,								
(b)			- 59 60 -	-69 70 - 7	9 80 -	89		04				
()	No. of students		5 2		5							
5.(a)	Calculate the Arithmet							04				
	Groups 1	0-20 20 -	-30 30 -	40 40 - 50	0 50 - 6	0						
	f		0 50		20							
(b)	Find Mode from the fo					J		04				
(0)	Daily income	35 – 3	9 40 - 44	4 45 – 49	50 - 54	55 – 59	60 - 64					
	(Rs.000)											
	Number of	3	10	21	15	4	1					
	Non-skilled worl	kers						04				
6.(a)	Compute Index Number of Prices from the following data taking 1990 as base											
	and using Median as a	n Average:	n :					i				
	Years A B C											
	Years 1990	18	B 87	53								
	1990	22	77	60								
	1992	29	79	65								
	1993	32	94	80								
(h)	A card is drawn from a				t probabili	ty that it i	s:	04				
(1)1			contractivity		-	•		t				
(b)	(i) Picture card	(ii) Hea	ırt card			$4(1^{\text{st}}-A)-3$		LTAN)				