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0	bjective Intermediate Pa	ırt First (New Sc	heme)	Roll No. :				
		STATISTICS (Objective)						
	6187 Time: 20 Minu	tes Ma	rks: 17	53	· 🛣			
Q.I	You have four choices for each objective type question number relevant circle in front of that question number Cutting or filling two or more circles will cesult objective type question paper and leave other circles	on computerized a in zero marks in th	answer sheet. 1	se marker or pen	to fill the circl			
S.#	Questions	A	B	С	D - 7			
1	The variance of 7, 7, 7, 7, 7, is:	7	(7)2	0				
2	Mean deviation from median is:	Least	Most	Equal	None of the			
3	Measures of dispersion has types.	2	3	4	5			
4	If $a = 90$, $\sum d = 2$ and $n = 10$, then \overline{x} is:	90.10	90.15	90.20	90.25			
5	G.M. of numbers 0, 1, 2, 5, 9 is:	2	9	0	1			
6	Sum of deviations of the values from mean is always:	Negative	Positive	Zero	Fractiona			
7	The process of arranging data into rows and columns is called:	Presentation	Tabulation	Classification	Arranging o data 5			
8	There are bases for classification:	2	1	4				
9	Primary data and secondary data are:	Same	Different	Opposite	None of the			
10	Hypergeometric distribution has parameters:	Тњо	Three	Four	Five			
11	The probability of success is denoted by:) + p	q	р	l – p 4-digits			
12	000 – 999 are called random numbers of	l-digit	2-digits	3-digits				
13	E(XY) is equal to:	E (X) + E(Y)	XE(Y)	$E(X) \cdot E(Y)$	YE(X)			
14	Any subset of the sample space is called:	Event	Sample	Outcome	Point			
15	The probability of sure event is:	0	- 1	1	< 1			
16	In chain base method, base period is:	Fixed	Changed	Constant	None of the			
17	If all the values are of equal importance then index numbers are called:	Simple	Weighted	Unweighted	None of the			

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							Int	ermedi	ate Pa	rt Firs	t (New S	chen	ne)		Ro	II No	
							ST	TAT	ISTI	CS	(Subjee	ctive	e)				
						-	Fime	e: 02:4	40 Ho	ours	M	arks	s: 68				
											N – I						
2	112-1		harto		rs of	any El	CHT										10
4.	(i)	D	efine di	screte	varia	ble		1									
				8		3											
	(ii)	E	spand	E (Yi	-μ):	and $\frac{3}{n+1}$ (y11										
	(iii)	D	efine w	eighte	d arit	nmetic m	can.		•								
	(iv)	lf	$\overline{y}_1 = 3$	with	$n_1 = 2$	3 and \overline{y}_2	= 4	with n	2 = 2.	then fi	nd y _c						
	(v)		hat are				ie m	·an?									
	(VI) (VII)	1	Instrate	graph	ically	the relat	ive p	ositions	s of the	mean.	median a	und r	node for fi	equen	cy curve	s which a	re skewe
		10	right a	nd lef	1.		•										
	(viii) E	efine p	ice re	lative	S.											
	1	1	What is	oncu	mer ne	number.	x mun	iber?									
	(xi)	F	ind Fish	ner's i	ndex	number i	fLas	peyer's	= 108	78 and	Paasche	's =	109.21				
	(xii)) \	What are	limit	ations	of an in	dex n	umber?									1
		ite	short : What is	insw	ers of	any El	GH	l parts	×.								
	(i) (ii)		Define c												C		
	(iii)	1	What is	meant	by di	spersion	?										
		1	Define s	tanda	rd dev	iation.	.t.n.d	and day	iation								
	(v)		Write an	y two	prop	erties of a	tile de	eviation	if Q	= 10.2	$0, Q_3 =$	58.2	9				
	(vii) (Calculat	e low	er qua	rtile from	n the	given d	lata:-	13, 3	3, 7, 15. 1	7. 5.	23, 27				
	(vii	i) 1	Define o	vent.													
	(ix) (x)		Define a	ompo	utual	y exclus	veev	ents.				K	0				
													0.10.4	Cad	DALID		
	(xii)	For two	mutu	ally e.	clusive	event	s A and	B if I	P(A) =	0.25 , P	(H) =	= 0.40, the	n find	P(AUB)		
1		rite	short	answ	ers a	f any S stand by	IX p	arts.	ibers?								
	(i) (ii)		What do Define	nathe	matic	al expect	ation	S.	Inclusi								
	(iii)	Given I	(X) =	200	C.V(X)	= 7.1	then fin	d Var(X).							
	(iv))	What is	conti	nuous	random	varia	ble?		1.1							
	(v) (vi	1	W/hat is	Darn	oulli's	erties of trial?											
	1.1	1	Cind th		hor of	trials of	a bin	omiał c	listribu	tion w	hich has i	nean	1 12 , S.I) = 2		3 9	
	(vi	(ii)	Under	which	circu	nstances	WC C	an appl	ly the b	momu	al distribu	tion	and hyper	geome	tric dist	ribution?	
	(ix)	Given	4 = 10). 11	4 and K	-										
			IS	EC	FIO)	N – H	1	Attemp	t any '	THRE	E questio	ons.	Each que	estion	carries	08 marks	·
	5 (1)) FG	nd the	veio	ated n	nean if y	veigh	nts 4, 3	. 3. 2 :	and 2	respectiv	ely a	are allotte	d to th	ie subje	ects:	
	J. (4			-75	Si	bjects	1	Jrdu	Eng	lish	Math	1	Statistics	1.07	SICS		
					N	1arks		82		3	80		57	(52		
	(b)C	alculate	ham		mean fi	om t	he foll	owing	distri	bution:	-	10 50	= = 0			
					<u></u>	lasses	10) - 20		- 30	$\frac{30-40}{12}$	-+-	40 - 50 6		- 60		
						quency		3		5				با	·		
	6. (a)F	ind the	coeff			tile c	leviatio	on from	n the f	following	dat	a:	1.16	40		
						lasses	10	$\frac{0-20}{2}$	1	~ 30	$\frac{30 - 40}{10}$		40 - 50	1.50	$\frac{-60}{2}$		
	0	10		dian	Fre	quency	ر. مناب	3 tributi		7 ut the		at a	variable a	re 1		-40, Sho	ow that
	(b	<i>i</i>) I	ne first	unree	mon	ients of	a dis	mound	on auto	at the	about m	na					