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ime: 20 Minutes			(INTERMEDIATE PART-I) 319-(IV) OBJECTIVE Code: 6187		Paper: I Marks: 17
You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, I that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circle will result in zero mark in that question. Attempt as many questions as given in objective type question paper at the blank.					
1. 1.	. If	mean of 10 numbers	B) 70	C) 80	D) 90
2.		1) 11(11) 0)	B) E(x) - E(y)	C)X-LG)	D) E(x) - y
3		, –	B) 3	on is: C) 4	D) 5
4	. A	distribution having or A) unimodal	ne mode is called: B) bimodal	C) multimodal	D) none of these
5		7)114	B) npq	C) np	D) pq
6	5. I	$P(A \cap B) = P(A) P(A)$ A) not-mutually exclusive C) independent	B), events A and B	are: B) mutually exclusive D) dependant	
	7.	Which is not measure of A) mean	B) range	C) mean deviation	D) standard deviation
	8.	Fisher Index number is A) arithmetic mean		speyre's and Paasche's C) geometric mean	D) mode
		If 'c' is non-random A) c	B) zero	C) one	$D)\sum x p(x)$
		Data which have been A) quantitative variable	B) grouped data	C) arrayed dam	D) un-grouped data
		The data about the sex A) quantitative	B) qualitative	C) continuous	D) discrete
	12.	The sum of absolute d	eviations of observation B) minimum	ons from median is: C) zero	D) one
		Base year quantities as A) Laspeyre's method	B) Paasche's method	C) Fisher	D) none of these
	14.	A set of all possible of A) null set	utcomes of a random e B) sample space	experiment is called: C) simple event	D) all of these
		The Co-efficient of va A) absolute dispersion	B) relative dispersion	C) skewness	D) average
		If there are ten values A) zero	B) 10	C) 100	_,
	17.	The difference between A) mid-point	en upper and lower cla B) average	ss boundary of each gr C) class interval	oup is: D) frequency
		The second secon	-		226-(IV)-319-9000

Cay-12-1-11-19

(INTERMEDIATE PART-I) 319 Marks: 68 Statistics (New Scheme) SUBJECTIVE Note: Section I is compulsory. Attempt any THREE (3) questions from Section II. Time: 2:40 Hours (SECTION - I) $(2 \times 8 = 16)$ Write short answers to any EIGHT questions. Define "Primary Data". i. Define "Variable". Define "Median" with formula. Write two properties of A.M (Arithmetic Mean). Write two demerits of H.M (Harmonic Mean). Define "Mode". vii. Write two properties of G.M (Geometric Mean). viii. Define "Weighted Index Number". If $\sum p_o q_o = 362$, $\sum p_1 q_o = 428$, $\sum p_o q_1 = 398$, $\sum p_1 q_1 = 470$ then compute Fisher's index number. Define "Price Index Number". X. Write two advantages of Chain base method. xii. Find Paasche's Price Index Number given that: $\sum p_1q_1=1210$, $\sum p_0q_1=850$ $(2 \times 8 = 16)$ Write short answers to any EIGHT questions. What is simple classification? Define "Grouped Data". ii. Define "Range". What are different measures of absolute dispersion? iv. If Var(x) = 4, Find Var(3x)V. What is "Variance"? vi. vii. If $\mu_2 = 4$, $\mu_4 = 56$, Find β_2 viii. What is "Kurtosis"? Define "Random Experiment". Define "Equally Likely Events". If P(A) = 0.5, P(B) = 0.2, Find $P(A \cup B)$ when 'A' and 'B' are mutually exclusive events. xii. A card is selected from 52 playing cards. What is probability that the card is a king? $(2\times 6=12)$ Write short answers to any SIX questions. Define "Mathematical Expectation" of a random variable. Explain continuous random variable with an example. ii. What are the properties of a discrete probability distribution? Given: E(x) = 0 and $E(x^2) = \frac{8}{9}$. Find $E(3x^2 - 2x + 5)$. Given: E(x) = 0.56, Var(x) = 1.36 and if y = 2x + 1 then find E(y) and Var(y). Define "Binomial experiment". vii. If 'x' is a binomial random variable with n=9, $p=\frac{1}{3}$ then find S.D(3+2x). viii. State probability function of Hypergeometric distribution. Also write its mean and variance. Given: N = 10, n = 2 and k = 2. Find P(x = 0). (Turn Over) Guj-11-19

Paper: I