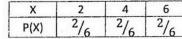
SIATISTICS	TT CLM2	3-1 -	Millual 202	THIVIE: 20 IVIIINO 1 ES		
	OGK-24	OBJECT	IVE	MARKS: 17		
is correct; fill that circle in Cutting or filling two or m	front of that q	uestion num	ber. Use marke			
QUESTION NO. 1						
1 Statistical results are (A) exact (B) always tr	ue (C)	not true	(D) true o	n average		
2 If C is a constant, then $\sum_{i=1}^{8}$						
(A) 8 + C (B) 8 - C	(C)	8 C	(D) $\frac{8}{C}$			
3 The number of items of da	ta in a class is	called	· ·			
(A) Frequency (B) \	/ariable	(C) Pa	rameter	(D) Mid point		
4 Ogive can be used for the c	alculation of					
(A) Mean (B) M	ledian	(C) M	ode	(D) Harmonic mean		
5 Mode of the series 10, 13,	12,10,20,	11,15,1	0,14,12 is			
(A) 10 (B) 12 (C) 15	(D) 20				
6 If $\sum_{i=1}^{10} (X_i - 50) = 100$, then sa	ample mean	$\overline{\boldsymbol{X}}$ will be		-01		
(A) 10 (B) 50 (C) 60	(D) 100				
7 Second moment about mea	an is					
(A) Zero (B) Variano	e (C	Range	(D) M	ode		
Mean deviation of values 6	5,6,6,6,6	, 6 is	~ 7			
	1 · (D) 0					
Cost of living index number						
(A) Simple index (B) Con	A-4-1 (2000) (A-400)	(C) Ch	ain index	(D) Unweighted index		
0 The most suitable average i						
(A) Median (B) Mod				(D) Geometric mean		
1 The orderly arrangement of						
(A) Permutation (B) Cor			ability (D	Factorial		
2 A set of all possible outcom				×.		
(A) Combination (B) Sar				Simple event		
3 A discrete probability funct						
(A) Non-negative (B) Ne			(D) Zero			
4 The appropriate graph of p						
	(C) Histog		(D) Historigran	n .		
5 In a Bernoulli trial the expe			(-,			
			an once			
	(A) Once (B) Twice (C) Thrice (D) More than once The parameters of the binomial distribution are					
(A) n and x (B) p and x			n and p			
.7 In a hypergeometric distrib				mean is equal to		
(A) 1 (B) 2 (C) 3	(D) 4		- /			
44 (Obj) – 1 st Annı	ual 2024	AN ARMANIA (4) WARES (O MARIANIA)	(PAPER CC	DE - 6181)		
44 (UU)) - 1 AIIII	101 LUL4		(I MI LIL CO			

(iii) Write any two characteristics of Statistics. (iv) Find Geometric Mean (G.M) (iv) Find Geometric Mean (H.M) (viii) Find Mode 2, 5, 7, 11, 3, 5, 11, 13, 5 (iv) Given ∑p ₀ q ₀ = 402 & ∑p ₁ q ₁ = 481 (iv) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₂ q ₀ = 900 & ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₀ q ₀ = 897 Find Core of Living index number. (viii) Given ∑p ₀ q ₀ = 897 Find C		SUB	SECTI	VE PART ON-1 OGK-24 MARKS: 68			
(iii) Write any two characteristics of Statistics. (iv) Find Geometric Mean (G.M) (iv) If ∑ log x = 170.69902 , ∑ f = 80 Find the value of mean. (iv) Obefine Harmonic Mean (H.M) (viii) Find Mode 2, 5, 7, 11, 3, 5, 11, 13, 5 Find the value of mean. (iv) Obefine Harmonic Mean (H.M) (viii) Find Mode 2, 5, 7, 11, 3, 5, 11, 13, 5 Find the value of mean. (iv) Obefine Fisher's Ideal index number. (xii) Write any two uses of index Number. (iv) Obefine Fisher's Ideal index number. (xiii) Write any two uses of index Number. (iv) Obefine Fisher's Ideal index number. (xiii) Write any two uses of index Number. (iv) Obefine Fisher's Ideal index number. (xiii) Write any two uses of index Number. (iv) Obefine Fisher's Ideal index number. (xiii) Write any two uses of index Number. (iv) Obefine Fisher's Ideal index number. (xiii) Write any two uses of index Number. (iv) Obefine Fisher's Ideal index number. (xiii) Write any two uses of index Number. (iv) Obefine Fisher's Ideal index number. (xiii) Write any two uses of index Number. (iv) Obefine Fisher's Ideal index number. (xiv) Write any two uses of index Number. (iv) Obefine Fisher's Ideal index number. (viii) Obefine Fisher's Ideal Id	QUES	STION NO. 2 Write short answers to any E	ight (8) parts of the following 10			
(v) Find Geometric Mean (G.M) (vi) If	(i)	Define Discret Variable.	(ii)	Describe the importance of Statistic in Economics.			
(v) Find Geometric Mean (G.M) If	(iii)	Write any two characteristics of Statistics.					
If $\sum f \log x = 170.69902$, $\sum f = 80$ Find the value of mean. Find the value of mean. Find Mode $2, 5, 7, 11, 3, 5, 11, 13, 5$ Find Mode $2, 5, 7, 11, 3, 5, 11, 13, 5$ Find durrent year Weighted index number. Find Mode $2, 5, 7, 11, 3, 5, 11, 13, 5$ Find current year Weighted index number. Find Cost of Living index number. Find North Index numbers of Pind Pind Find Pind Find Pind Find Pind Pind Find Pin	(v)						
viii Define Harmonic Mean (H.M) (viii) Find Mode $2,5,7,11,3,5,11,13,5$ (ix) Given $\sum p_0q_1 = 402$ & $\sum p_1q_1 = 481$ (x) Given $\sum p_1q_0 = 900$ & $\sum p_0q_0 = 897$ Find Courrent year Weighted index number. (xii) Write any two uses of index number. (xiii) Write number. (xiv) Write number. (xi		If $\sum f \log x = 170.69902$, $\sum f = 80$					
(ix) Given ∑ p ₀ q ₁ = 402 & ∑ p ₁ q ₁ = 481	(vii)		(viii)				
Find current year Weighted index number. (xii) Write any two uses of index Number	(ix)		-				
(xii) Write any two uses of index Number (xiii) Write any two uses of index Number	. ,		,,				
ESTION NO. 3 Write short answers to any Eight (8) parts of the following	(xi)		(xii)				
Define relative frequency. (ii) What is one way and two way classification? Compute coefficient of quartile deviation in Q = 12, Q = 48 Define mean deviation. (vi) Describe any two demerits of Range.							
iii) Differentiate between class limits and class boundaries. (iv) Compute coefficient of quartile deviation if $Q_1 = 12$, $Q_2 = 48$ v) Define mean deviation. (v) Describe any two demerits of Range. (vi) Compute coefficient of variation if $Q_1 = 12$, $Q_2 = 48$ (vi) Define mean deviation. (vi) Describe any two demerits of Range. (viii) Compute coefficient of variation if mean = 1.2 and $S = 1.307$ (x) Make a sample space if we toss a fair coin three times. (d) Give the statement of addition law of probability for two non-mutually exclusive events. (xi) Give the statement of addition law of probability for two non-mutually exclusive events. (xii) Give the statement of addition law of probability for two non-mutually exclusive events. (xiii) Give the following Explain the continuous random variable with example. (xiii) Write the properties of pistribution for the following state of the following state of the following state of the following in the continuous random variable with example. (viii) Write the properties of pistribution function. (vi) Check whether $f(x) = \frac{1}{3}$ and $P(A/B) = \frac{1}{6}$, then find $P(B/A)$. (viii) Write the properties of pistribution function. (vi) Describe the shape of binomial distribution with $p = 0.5$ and $p = \frac{3}{10}$. (viii) Check whether $f(x) = \frac{3}{10}$ and $p = $	(i)		1				
boundaries.	(iii)						
Define mean deviation. (vi) Describe any two demerits of Range. (viii) Describe any two demerits of Range. (viiii) When y = 2x - 3 (viii) (fire man = 1.2 and S = 1.307 (viii) (viii) (fire man = 1.2 and S = 1.307 (viii) (viii) (viii) (viii) (viii) (viii) (viii) (viiii) (viii) (viiii) (viiiii) (viiii) (viiiii) (viiii) (viiiii) (viiii) (viiii) (viiii) (viiii) (viiii) (viiiii) (viiii) (viiiii) (viiii) (viiiiii) (viiii) (viiiiii)	(,	7.50					
(iii) When y = 2x - 3 When y = 2x - 3 (iiii) When y = 2x - 3 (viii) (finear = 1.2 and S = 1.307) x) Make a sample space if we toss a fair coin three times. (x) How many permutations can be formed from the word "STATISTICS". (ii) Give the statement of addition law of probability for two non-mutually exclusive events. (xii) (xii) (xiii) (x	(1/)		(vi)				
When y = 2x - 3 X Make a sample space if we toss a fair coin three times. (x) How many permutations can be formed from the word "STATISTICS".							
Make a sample space if we toss a fair coin three times. (ii) Give the statement of addition law of probability for two non-mutually exclusive events. If P (A) = \frac{1}{4}, P (B) = \frac{1}{3} \text{ and P (A/B)} = \frac{1}{6}, \text{ then find P (B/A)}.	(vii)		(viii)				
three times. (ii) Give the statement of addition law of probability for two non-mutually exclusive events. (xii) If P (A) = $\frac{1}{4}$, P (B) = $\frac{1}{3}$ and P (A/B) = $\frac{1}{6}$, then find P (B/A). ESTION NO. 4 Write short answers to any Six (6) parts of the following Explain the continuous random variable with example. (ii) Write the properties of Distribution function. For the probability function $f(x) = Ax$, $x = 1, 2, 3$, Compute the value of A. (vi) Check whether $f(x) = \frac{x}{10}$, $x = 1, 2, 3, 4$ is a probability density function. Find the E(X) for a binomial distribution with $n = 6$ and $p = \frac{x}{5}$ (vii) Describe the shape of binomial distribution with $n = 6$ and $p = \frac{x}{5}$ (viii) Describe the shape of binomial distribution with $p = 0.5$ Enlist any two properties of hypergeometric distribution (vii) Describe the shape of binomial distribution with $p = 0.5$ Enlist any two properties of hypergeometric distribution (viii) Describe the shape of binomial distribution with $p = 0.5$ Enlist any two properties of hypergeometric distribution (viii) Describe the shape of binomial distribution with $p = 0.5$ (A) Find Median and D7 from the given data 15, 7, 3, 0, 9, 6, 4, 5 (B) Find Mode from the following distribution. Height (in)	(ix)		(v)				
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N = 8 , k = 4 and n = 3 Give its mean.		with $n = 6$ and $p = \frac{-}{5}$		With p = 0.3			
N = 8, k = 4 and n = 3 Give its mean. Give the range of the hypergeometric random variable. SECTION-II	vii)	ii) A hypergeometric distribution has parameters		Enlist any two properties of hypergeometric			
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(B) Find Mode from the following distribution. Height (in)	ote:	Attempt any Three questions from this section		8×3 = 2			
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8 (A) Given that X 2 4 6		(i) One is a king and other is queen (ii) both are a	ces (iii) both are black (iv) both are spade cards ?			
X 2 4 6	2. 8		100 (11)				
	,. 5		2	4 6			



(ii) E(X2) Find (i) E(X)

- (B) A continuous random variable X which can assume values between X = 2 and X = 8 inclusive has a density Function , f(x) = A(x+3) , where 'A' is constant , Find (i) A (ii) $P(3 \le x \le 5)$
- (A) A fair die is thrown 6 times. Let X be a random variable showing number of sixes. Find (i) P (X = 2) (ii) P(X = 6) Q. 9 (B) A Committee of size 3 is selected from 4 men and 2 women. Obtain the probability distribution by the
 - hypergeometric experiment for the number of men in the committee.