Downloadedfrom www.studiessodag.com IX - Mathematics Assignment No-01 - Statistics (Q1) Explain the meaning of the following Primary Data (Q) (b) Secondary Data Raw data (\mathcal{C}) (d) Grouped data (e) Frequency rariate (1)class interval (J) class Size (h)class mark or mid value (i)Comulative frequency (b)class limits (K) The class limits (l)Range (m) Akray (N) Cont-19-2

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19-2 (la) The weights (in grams) of 40 apples are given below. Arrange the data in increasing order (an away) and construct a frequency table. 90, 75, 85, 70, 60, 70, 70, 75, 100,75,110,30,40,50,45,84, 60, 55, 65, 100, 30, 85, 35, 80, 65, 30, 40, 70, 75, 110, 70, 45, 45, 40, 60, 55, 100, 80, 95, 85. (Q3) The temperature of a certain city in any month is given below Construct f. d.t. (both inclusive and exclusive form) having 6 C.I. 31.4, 34.4, 35.6, 36.3, 36.7, 36.9, 34.7, 31-6, 32.5, 33.3, 32.6, 33.5, 37.8, 37.5, 34.9, 33.8, 30.4, 37.3, 37.0, 32.5, 36.4, 35.2 31.0, 32.4, 37.0, 36.9, 34.4, 35.3 30.3 33.9, The class marks of a distribution are: $\left(\begin{array}{c} 0 \\ B \end{array} \right)$ 93, 163, 123, 103, 113, 133, 143, 153 in mixed form. Find class size, class ets. lent-19-3 and CI.

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(Q4) Form a frequency table for the following Variables.

18, 27, 27, 20, 20, 16, 22, 17, 27, 20, 21, 16 25 24, 16, 19, 21, 25, 20, 18, 27, 21, 16, 26, 16, 18 27, 25, 23, 26, 27, 16, 25, 27, 21, 22, 18, 24, 20, 20, 20, 27, 24, 26, 16, 22, 19, 22, 18, 19.

(05) Form a C.f.d.t With C.I. \$ 50. 628, 668, 650, 665, 620, 480, 560,

300, 328, 525, 420, 360, 440, 480, 360, 305, 326, 370, 470, 328, 306360, 305, 326, 370, 470, 328, 306325, 520, 360, 326, 440, 406, 664421, 450, 480, 426, 405, 421, 565

(26) Following in The record of ages of 50 Student in a Certain School. Form a f.d.t. and C.f.d.t Keepinp one class as 12-15, 15 not included.
11, 15, 07, 20, 15, 18, 06, 19, 19, 16, 8, 17, 12
19, 18, 16, 06, 20, 13, 11, 10, 08, 14, 6, 19, 18
09, 08, 12, 151 12, 14, 08, 12, 16, 15, 17, 09, 11, 07, 17, 11, 11, 18, 14, 12, 07, 13, 17, 13.

Cont-19-4

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Pg-Ly						
(27) Following in the distribution of 'F'						
(a7) Following in the distribution of ages (in years) of teachers in a						
Certain School						
Ages in yrs 16-20 21-25 26-30 31-35 36-40 41-45 46-50						
NO. of teachery 11 32 51 49 27 06 04						
Answer the following						
(a) Write the lower limit of the 2nd C.I						
(b) Find the class-limits of the 4th C.I.						
(c) Find the class-mark of the 6th C.I.						
(d) Find the true - class-limits of S' CL						
(e) Find the class-Size						
(f) Construct a C. f. d. t.						
(g) How many teachers are of age						
(i) less than 31 years						
(11) 36 years or more.						
(28) Following is The table of class manks. of various classes. Construct C.f.d.t.						
f monous unsses. construct C.f.d.t.						
Class-mark 146 152 158 164 170 176 182 188						
Frequency 3 6 8 10 5 4 3 1						

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19-5

Cont

(Q9) Extract a f. d. t from the following

(۵)	Age (in	years)	Number Persons	(b) (b)	life time (In hrs)	No.q.bulls
	Belor	0 10	15	- * * j	More than	1200	0
	11	20	28		<u> n</u> n	1100	8
	Д	30	39		0 22	1000	26
				8	11 11	900	76
	11	40	60		- µ іл	800	135
	п	50	73		17 11	700	206
	11	60	80		" "	600	284
		00	00			500	340

(Qlo) Find the Unknown entries a, b, c, d, e, f from the following c. f. d.t. Shows the heights of so students in a class.

Class-interval (fits in Cm)	Frequency	C-f.
150 - 155	12	a
155-160	6	25
160 - 165	10	C C
165— 17D	d	43
170 - 175	e	48
175 - 180	2	Ŧ

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