( Turn Over )

2. (a) Calculate mean and median from the following 10-10 10-30 30-30 30-30 40-50 50-60 60-70 oe (3rd Semester) single of MAN CONTRACT egarave to commerce of average. Also give its ( Major ) all evis call 74-8/2019 Paper Code: BC/C5 3. m) Chemate Karl Pearson's coefficient of Business Statistics Full Marks: 75 Pass Marks: 40% Time: 3 hours 1910191111 21-9-61 The figures in the margin indicate full marks for the questions qualque (d) Define statistics. Explain the functions of statistics. 5+10=15 4. (a) Construct index number of price from Explain the various methods of collecting primary and secondary data. 8+7=15 nil Pagache's method

24L/415

(8)

(a)

24L/415

following:

Calculate mean and median from the

15

(Continued)

: 0-10 10-20 20-30 30-40 40-50 50-60 60-70 Marks No. of Students: 5 10 12 11 30 5 45 ) 50 21 (b) Explain the various types of average. Also give its merits and limitations. 7+8=15 Paper Code: BC/CB (a) Calculate Karl Pearson's coefficient of correlation from the following data: Price ( in ₹) : 4 5 Supply ( in ₹) : 10 12 15 20 Interpret your result. 13+2=15 The foures in the Nugin unicate full marks (b) Explain the uses of regression analysis. Distinguish between correlation and regression analysis. 7+8 Leoiteitate lo 81=01-6 4. (a) Construct index number of price from the following data by applying: 15 (i) Laspeyres' method anii soloo (ii) Paasche's method

iii)	Bowl	lev's	met	hod
,		, -		

(iv) Fisher's ideal method

Commodity	2021		2022	
3	Price	Quantity	Price	Quantity
Α	2	8	4	6
В	5	10	6	5
С	4	14	5	10
. D	2	19	2	13

Or

(b) Explain the various components of time series.

5. (a) Explain the concept and importance of probability. 7+8=15

Or

(b) A bag contains 30 balls numbered from 1 to 30. One ball is drawn at random. Find the probability that the number of the balls drawn be a multiple of—

(i) 5 or 7

(ii) 3 or 7

15

15

\* \* 7

24L-900/415

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