VCD	06 05 202	Class: FY	FMG		Sub: Business Statis	tics
Dura	ation: 2.30 hrs	Max	x.Marks:75	0.0000000000000000000000000000000000000		
NB: ((1) All questions are	compulsory.	nonarys5 ne	ranisaçe c). Ni ion the kinnethrd	z (d. ogazê u Bakelesmina H. D	
(2	2) Figure to the right	indicate full ma	ırks			
(3)	Use of non-program	nmable electron	ic calculator is	allowed		
(4)	Graph paper will be	provided on re	equest.	no badritik si		
				(U- (a)	2.6	
Q.1 F	Fill in the blanks by	choosing corr	ect option:			(40
B. C.	Primary data as contained a) Less reliable b) More reliable The objective of contained a) Condensation b) Summarization Which of the follow a) Less speed b) Less scope Which of the follow a) Data obtained b) Research pape Tally sheet is used	c) ed d) so diagrammatic of c) point d) A owing is an ad c) led d) led owing is not a from newspapers	qually reliable ometimes more representation resentation chalysis vantage of same ess costly ess accuracy source of second correct control of the control of	re reliable and so of data is mpling? ondary data? eference books		
G.	a) Collect primary b) Collect seconda Mode can be obta a) histogram Mean is a measure a) correlation The value of midd	ined graphical b) bar diagr c of b) regression	d) form free ly using cam c) of	quency distribut gives entral tendency	d) pie diagram d) dispersion	10 A
	a) meanb) medianMeasurement base		c) mode d) range	a in increasing	order is	
	a) Mean Median of 7, 8, 3, a) 3	b) Median	c) Mode	d) Range d) 4.5		

a	nter-quartile ran 1 st 50% of the	e series	c) mi	ddle 50% of	f the series	02 50 6	10 COV
b	Last 50% of	the series	d) his	ghest value-	lowest value	Lace	
	Thich measure						
	Range b)					iation	
	variance is 4,						
) 2 b)			d) 16			
N. C	oefficient of ra	nge of the d	ata 10, 30,	5, 25, 35 is			
	0.75 b)						
0 1	24344:1- 1	20 41-1	d accombile is	50 than an	antila day iati		ero Gi
	first quartile is 10 b)	$\frac{30}{20}$ and thir		d) 80	iarine devian	On is	
	variable Y ten		,		ses then there	e is	
	Negative cor						territory (I.S.)
) Inverse corre						
	ay temperature						
	Positive corr				ole		
) Negative cor				n		
	catter diagram						
	Measure of c			rrelation			
b) Measure of d	ispersion	d) re	gression			
	we are given t				tain	Loss speed	
a	Both mean a	nd correlation	n coefficie	nt			
b) Both mean a	nd both stan	dard deviat	ion			
С	Only one me	an and both	standard de	eviation	was most be		
) Both means a				-21291		
T. If	two regression	coefficient	s are 0.8 &	0.2 then the	value of cor	relation coe	efficient is
a	0.4	b) 0.16		c) -0.4	d) -0.16		
2 Att	empt any one.						(0
				gilled Villacide			More
A. D	efine statistics.	Write 5 fun	ctions of S				
				OR]a rau		
B. D	raw histogram	and frequen	cy polygon	for the follo	owing data:		
~	10-15	15-20	20-25	25-30	30-35	35-40	40-45
C.,	10	12	13	22	20	7	4

A. Find arithmetic mean and mode for following data:

X	10	20	30	40	50
f	6	11	20	15	8

OR

B. Calculate fourth decile for given data:

C.I	0-10	10-20	20-30	30-40	40-50
frequency	10	20	35	15	20

Q.4. Attempt any one.

(07)

A. The data given below is of wages of workers. Find out which group is more consistent.

	Group 1	Group 2
Mean	120	85
Variance	9	16

OR

B. Find inter-quartile range for the following data:

C.I	2000-	3000-	4000-	5000-	600C-	7000-	8000-	9000-
	3000	4000	5000	6000	7000	8000	9000	10,000
f	20	25	40	50	30	18	12	5

Q.5. Attempt any one.

(07)

A. Find the two regression equations for the given data.

	l y	V
Mean	6	8
s.d	. 5	13

Correlation coefficient(r) is 0.53

OR

B. Calculate the Karl Pearson correlation coefficient for the following data:

X	17	8	12	13	10	12
Y	13	7	10	11	8	9

Q.6. Write a short note on the followings. (Any two)

(07)

- a) Positive and negative correlation
- b) Requisites of good measure of central tendency
- c) Limitations of Statistics
- d) Primary and secondary data
- e) Merits and demerits of range