C. ABDUL HAKEEM COLLEGE (AUTONOMOUS), **SEMESTER EXAMINATIONS, NOVEMBER - 2018** MELVISHARAM - 632 509.

	6.			5.		4.		\mathfrak{S}		2.		:-				_
(a) 1	6. The range of first five integers is	(c) Root 1	(a) Average deviation	5. Standard deviation is also called as	(a) 55	4. The arithmetic mean of 45, 50, 55, 60, 65 is	(a) Mean (b) Median	3. The positional measure of central tendency is	(a) 90	2. The total of the angles of the all sector of a pie diagram is	(a) Harlow	1. Statistics is science of counting said by			Time: Th	B.Sc., COMPUTER SCIENCE U15/ STATISTICAL METHOI
(b)2	e of first f	(c) Root mean square deviation	ge deviati	deviation	(b) 50	metic mea	(b) Med	ional mea	(b) 180	of the ang		is science			Time: Three Hours	semester oc., computer science U15AMA302 / U14AMA302 - STATISTICAL METHODS AND THEIR APPLICATIONS - I (ALLIED)
_	ive integ	ıre devia	ion	is also c		ın of 45,		sure of c		gles of th	(b) Bowley.A.L	of coun	A	SECTI		IENCE U15AM ETHODS
(c)3	ers is	tion		alled as _	(c) 60	50, 55, 6	(c) Mode	entral ter	(c) 270	e all sect	A.L	ting said	nswer A	ON - A		A302 / I AND TH
(d	١.	(d) Nor	(b) Mea		(d	0, 65 is_		ndency is	(d	or of a pi	(c) Seligman	by	Answer ALL Questions	SECTION - A (10 X1 = 10 Marks)		IENCE U15AMA302 / U14AMA302 – THODS AND THEIR APPLICATI
(d) 4		(d) None of these	(b) Mean deviation	١.	(d) 57		(d) Range		(d) 360	ie diagrai			stions.	= 10 Maı	Maxi	\302 - LICATIO
		ĕ	ion							m is	(d) Cowden			ks)	Maximum: 60 Marks	SEME
										degrees.	len				Marks	SEMESTER III
										ees.					1	

8. In t	8. In the case of symmetric distribution, the coefficient of skewness is	etric dis	tribution	, the coe	fficient	of skewn	ess is
(a) 1	1 (b)2	(c)3	(d) 0	O			
9. The	9. The term regression was coined by	was coi	ned by_				
(a)	(a) Ya-Lun Chou	(b) Ta	(b) Taro Yamane) Francis	s Galton	(c) Francis Galton (d) Hamburg
10	is independent of change of scale	ndent of	change	of scale.			
(a)	(a) Correlation	(b) Re	(b) Regression	(c	(c) Kurtosis	is	(d) Variance
	S	ECTIO	SECTION - B (5 X $4 = 20$ Marks)	X 4 = 2	20 Mark	(s)	
		Aı	Answer ALL Questions	LL Que	stions.		
11. a)	a) Analyze the limitations of statistics.	tations c	f statisti	cs.			
			<u> </u>	(Or)			
b)]	b) Draw a percentage bar diagram for the following data.	ge bar di	iagram fo	or the fo	llowing	data.	
	Item	ם	2001	Cost of I	Cost of Production 2002	on 2003	
	Raw material Labor	rial	5,000 2,000	<u>3</u> 6	6,600 3,000	9,000 3,000	
	Overhead Misc		2,000 1,000	,,	1,800	1,800 1,200	
12. a)	a) Compute the median from the following data.	dian froi	n the fol	lowing o	lata.		
	Class Interval frequency	10-19 12	20-29 19	30-39 31	40-49 27	50-59 16	60-69 8
			<u> </u>	(Or)			
b)]	b) Find arithmetic mean for the following data.	nean for	the follo	owing da	ıta.		
	Marks No of students	0-10 4	10-20 6	20-30 10	30-40 20	40-50 6	50-60 4
13. a) l	a) Find the standard deviation.	l deviati	on.				
	Age No of persons	20-25 25-30 70 110	25-30 110	30-35 80	35-40 45	40-45 40	45-50 35

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7. If β_2 <3, the curve is called _

(a) Platy Kurtic

(b) Meso Kurtic (c) Lepto Kurtic (d) None of these

(I)

b) Compute quartile deviation and its coefficient from the following data

14. a) Define kurtosis and various types of kurtosis.

(Or)

b) Calculate Karl Pearson's coefficient of Skewness for the following data.

15. a) Explain the Scatter Diagrammatic method of finding the correlation

(Or)

b) From the following data obtain Y on X regression equations

SECTION - C $(3 \times 10 = 30 \text{ Marks})$

Answer ANY THREE Questions

- 16. Write a note on Classification and Tabulation.
- 17. Calculate Arithmetic Mean, Median and Mode for the following data.

18. Find Mean deviation about median for the following frequency distribution.

19. Calculate Karl Pearson's coefficient of Skewness for the following data.

Calculate two Regression Equations.

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