QP CODE: 24900249



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Name:....

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

FIRST SEMESTER MGU-UGP (HONOURS) REGULAR EXAMINATION NOVEMBER 2024

First Semester

Multi-Disciplinary Course - MG1MDCSTA101 -

DATA ANALYSIS USING LIBRE CALC

(2024 ADMISSION ONWARDS)

Duration: 1 Hours

Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Interest (I), Appreciation (Ap), and Skill (S)

Students should attempt atleast one question from each course outcome to enhance their overall outcome attainability.

[Learning Domain][CO No(s)]

Part A

Multiple Choice Questions Answer all questions Each question carries 2 marks

1	Wh	What is the purpose of data validation in LibreOffice Calc?				
	a)	To prevent errors in data entry	b)	To format cells based on conditions		
	c)	To perform calculations on data	d)	To create charts and graphs		
2	Wh Lib:	ich of the following operations can re Office Calc?	you j	perform within a Pivot Table in	[U]	[4]
	a)	Grouping data	b)	Applying filters		
	c)	Sorting by row or column	d)	All of the above		
3	If th and	ne response to a question are Strong Strongly agree, which sorting we u	ly Di se?	sagree, Disagree, Neutral, Agree	[A]	[1]

Maximum Marks: 35

	a)	Numerical	b)	Alphabetical		
	c)	Custom	d)	None of these		
4	AN	OVA is used to compare			[K]	[4]
	a)	One sample	b)	At least one sample		
	c)	More than two samples	d)	None of the above		
5	To	find the first quartile (Q1) in LibreC	Office	e Calc, which function is used?	[K]	[3]
	a)	=QUARTILE(A1:A10, 1)	b)	=QUARTILE(A1:A10, 0)		
	c)	=QUARTILE(A1:A10, 2)	d)	=QUARTILE(A1:A10, 3)		
6	Cho	pose the correct syntax from the foll	the correct syntax from the following			
	a)	=MINIMUM(B1;B10)	b)	=MIN(B1:B10)		
	c)	=MINIMUM(B1:B10)	d)	=MIN(B1;B10)		
7	Wh	What type of data is best suited for a histogram?				[2]
	a)	Categorical data	b)	Ordinal data		
	c)	Continuous or grouped data	d)	Ratio type data		
8	Wh	at does a pie chart represent?			[A]	[2]
	a)	The distribution of data points	b)	Data changes over time		
	c)	Portions or percentages of a whole	d)	Comparison between two data sets		
9	Wh	What is the non-parametric analogue of one sample t test?				[4]
	a)	Sign Test	b)	Wilcoxon one sample Signed - Rank test		
	c)	Chi – squire test	d)	F - Test		
10	The	he range of values that coefficient of correlation can take are				[4]
	a)	0 to +1	b)	-1 to +1		
	c)	-1 to 0	d)	0 to infinity		

 $(10 \times 2 = 20)$

Part B

Short Essay Type Questions Answer any 3 questions Each question carries 5 marks

11	What are the key characteristics of nominal, ordinal, interval, and ratio data?	[K]	[2]
12	How do you interpret the p-value from a paired t-test in Calc?	[U]	[4]
13	Distinguish between word wrapping, shrinking and orientation options in Alignment tab in Format Cell	[U]	[1]
14	The following are the scores of two batsmen A and B in a series of innings A 12 15 6 73 7 19 19 36 84 29 B 47 12 76 42 4 51 37 48 13 0 Who is the better run getter in terms of averages?	[A]	[1]
15	What does it mean if a number is "uniformly random"? Explain the steps to create 10 random numbers between 0 and 1 in Libre Calc.	[U]	[3]

 $(3 \times 5 = 15)$

END OF THE QUESTION PAPER
