Questi	ion # 1 of 10 (Start time: 11:55:28 AM, 21 July 2023)	Total Marks:
In a	simple linear regression analysis, the correlation coefficient (r) and the slope (b1) have the same sign.	
ı		
ı		
Select	the correct option	
	Most of the times	
		,
0	Sometimes	
		h
0	Never	
=	Aluma a	
0	Always	

Questio	n # 2 of 10 (Start time: 11:57:00 AM, 21 July 2023)	Total Marks: 1
The m	nethod of least squares finds the best fit line that the error between observed & estimated points on the line	e.
Select ti	he correct option	
0	Maximizes	
0	All the given choices are correct.	
0	Reduces to zero	
	Minimizes	***

Ques	stion # 3 of 10 (Start time: 11:59:53 AM, 21 July 2023)	Total Marks: 1
In i	regression analysis, if X is to be estimated on the basis of Y, then the equation is called the regression equation of	
ı		
ı		
ı		
		6
Selec	ct the correct option	
0) Yon Y	
/34		_
	Yon X	
	X on X	
0		
		1/2
	X on Y	
		I

Que	estion # 4 of 10 (Start time: 12:01:43 PM, 21 July 2023)	Total Marks:
An	n arrangement of all or some of a set of objects in a definite order is called	
l		
ı		
		ß
Coloci	of the correct option	
-	Forecast	
0		
	Permutation	
$\overline{}$	Factorial	
		R
	Combination	

Ques	stion # 5 of 10 (Start time: 12:02:11 PM, 21 July 2023)	Total Marks: 1	
The	e relationship between height and educational qualification		
Select	t the correct option The height is independent and education is dependent variable		
0	There is direct relationship between the two		
	The height is dependent and education is independent variable	A	
	There is in pass relationship between the two	A	

Quest	tion # 6 of 10 (Start time: 12:03:43 PM, 21 July 2023)	Total Marks: 1
Whi	ich of the following correlation coefficients represents the weakest correlation between two variables?	
Select	t the correct option -1.00	
\bigcirc	-1,00	
	0.15	
\bigcirc	U.IS	
0	0.02	
	-0.15 * *	

Quest	tion # 7 of 10 (Start time: 12:05:24 PM, 21 July 2023)	Total Marks: 1
The	value of dependant variable decreases with increase in the value the independent variable in	
Selec	t the correct option	
0	Positive linear relationship	
0	Week relationship	
0	Negative linear relationship	

	r Y = a - b X we say that relationship between and X is	6
Selec	t the correct option	
0	indirect & linear	
0	direct & linear	
0	indirect & curvilinear	Š
\cap	direct & curvilinear	

Question # 9 of 10 (Start time: 12:07:48 PM, 21 July 2023)	Total Marks: 1
The sum of the deviations about the mean are always:	
Select the correct option	
positive	
o zero	B
the standard deviation total	

Question # 10 of 10 (S	Total Marks: 1
In the calculation of	f range from group data which of the following play important role?

Select the correct opt	
cumulative fre	equency
only largest vo	alue
both smallest	& largest value
frequency	

Quest	tion # 1 of 10 (Start time: 12:39:11 PM, 21 July 2023)	Total Marks: 1	
The	e moving averages can be used for		
l			
		6	
Selec	et the correct option		ı
0	mode +		
0	forecasting purposes		
0	Middle value.	- A	

Question # 2 of 10 (Start time: 12:39:53 PM, 21 July 2023)	Total Marks: 1
The minimum value of the correlation coefficient r can be	
Select the correct option	
0	
-infinity	

Question # 3 of 10 (Start time: 12:41:01 PM, 21 July 2023)	Total Marks: 1	
If the standard deviation of a population is 9, the population variance is:		
	4	
Select the correct option		
3		
81		
	le de la companya de	
0 9		

uestic	on # 4 of 10 (Start time: 12:41:37 PM, 21 July 2023)	Total Marks:
For a	data, mean is equal to median then its distribution is	
	the correct option	
	asymmetrical	
	right asymmetrical	
	symmetrical	
	Synthetics:	
$\overline{}$	left asymmetrical	
	Ш	

Questi	on # 5 of 10 (Start time: 12:42:24 PM, 21 July 2023)	
Thei	intercept of a line passing through origin is	
Select	the correct option	
	zero	
_		
0	positive	.:
	does not exists	÷
0	does not exists	
	finite	4

Question # 6 of 10 (Start time: 12:43:21 PM, 21 July 2023)	Total Marks:
The sum of deviation of the observed values of Yi from the regression line is always of	equal to
Select the correct option	
O -1	
°	
None	

In sco	atter diagram, clustering of points around a straight line indicates	
	the correct option b) Non-linear regression	
С	d) Both (a) and (b)	
	c) Curvilinear linear regression	4 1

uestion # 8 of 10 (Start time: 12:46:23 PM, 21 July 2023)	Total Marks: 1
Evaluate 30! / 28!. (! means factorial)	
elect the correct option	
870	-ti ₃
O 30	
850	<i>b</i>
28	

Question # 9 of 10 (Start time: 12:47:41 PM, 21 July 2023)	Total Marks: 1
Suppose the slape of regression line is -20 and the intercept is 9, then the equation of regression line will be	
Select the correct option +	
y - 20x +9 = 0	
y -20x -9 = 0	
y + 20x - 9 = 0	
y + 20x + 9 = 0	

Questi	ion # 10 of 10 (Start time: 12:48:51 PM, 21 July 2023)	Total Marks: 1		
A re	lationship between variables that can be represented by a straight line equation is			
		4		
Select	Selact the correct option			
	Simple linear regression model + † }			
0	Non linear regression model			
0	Population regression model			
\cap	Non linear equation			