Name:

Enrolment No:



UNIVERSITY OF PETROLEUM & ENERGY STUDIES

Online End Semester Examination, May 2021

Course: Research Methodology and Report Writing
Program: B.Com (All)
Course Code: DSRM 2001
Semester: IV
Max. Marks: 100
Duration: 3Hours

Course C	Code: DSRM 2001 Duration:	3Hours	
Q.No	Section A Choose the Correct Answer in each of the following:	Marks	COs
Q1	Which example isn't a qualitative data? a) interview notes b) transcripts of records of focus groups c) answers to close-ended questions such as using Likert-scale d) news articles	5	CO1
Q2	What type of the scale is used below? How pleased are you with your new estate agent? Extremely Pleased 7 6 5 4 3 2 1 Extremely Displeased a) Numerical scale b) Likert scale c) Category scale d) Dichotomous scale	5	CO1
Q3	In quantitative analysis, reliability is a test of how consistently a measuring instrument measures whatever concept it is measuring. Which one isn't the content in reliability? a) stability of measurement b) consistent measurement c) internal consistency d) construct validity	5	CO1

	If you want to capture how respondents in a survey feel about		
	individual items, measuring positive of negative to a question or		
	statement. Which scale can be used?		
04	a) ranking scales	5	CO1
Q4	b) rating scales	3	CO1
	c) nominal scales		
	d) no scale can used		
	Which sampling method is a Probability sampling?		
	a) Convenience Sampling		
Q5	b) Judgment Sampling	5	CO1
	c) Stratified Random Sampling		
	d) Quota Sampling		
	Which statement is true about the trade-off between precision and		
	confidence when we determine the sample size?		
	a) Narrower range, greater precision		
Q6	b) the narrower the range, the higher the confidence.	5	CO1
	c) More confidence, more precision		
	d) Less precision, less confidence.		
	Section B		
	Please put the following steps of operationalizing in order (from		
	number 1 to 6). Put 1 on the row of first step, 2 on the row of		
	second step, go on.		
Q7	() Test the reliability and validity of the instrument		
	() Collect data from representative sample from the population.		
	() Decide on response format (e.g., 5 point Likert-scales with	10	CO2
	end-points 'strongly disagree' and 'strongly agree').	10	
	() Provide conceptual definition of construct.		
	() Select items for your scale using 'item-analysis'.		
	() Develop pool of items related/important to the construct.		

	Identify the object and the	he attri	ibute/chara	acteristics	of the		
Q8	measurement, if you try to measure the price consciousness of car					10	CO2
Qu	buyers as a researcher.		•				602
		0.77		1.0		-	
Q 9	What is Cronbach's alpl	na? Ho	w can we	use it?		10	CO2
	What kinds of sampling	design	n would be	used for	the following:		
	The generalizability of the attitudes of blue-collar workers from a						
Q10							CO3
	sample of 184, to the tot	sample of 184, to the total population of 350 blue collar workers					
	in the entire factory of a particular company.						
	Please read the conceptu	ıal mod	del and de	termine th	ne independent		
		variables, dependent variable, mediator and moderator.					
	variables, dependent variable, inculator and inoderator.						
	Gender						
	Perceived Intelligence + +						
Q11	+ 1						CO3
	Physical Attractiveness Likelihood to Date						
	•/						
	Communality of + Perceived Fit						
	8 Pl 3						
	Se	ction (C (Case St	udy)			
Q12	Three Tables summarize	e the re	esults of da	ata analys	es of research	20	CO4
	conducted in a sales org	anizati	on that on	erates in 5	50 different		
	conducted in a sales organization that operates in 50 different						
	cities of the country and employs a total sales force of about 500.						
	The number of salespers	was 150.					
	Means, Standard Deviations, Minimum and Maximum						
		_			Maximum		
	Variable	Mean S	sta, aevianoi	TATTITITION.			
		75.1	8.6	45.2	97-3		
	Variable						
	Variable Sales (in 1000s of \$)	75.1	8.6	45.2	97-3		
	Variable Sales (in 1000s of \$) No of salespersons	75.1 25	8.6 6	45.2 5	97-3 50		

	Sales	Salespersons	Population	Income	Ad. expenditure
Sales	1.0				
No. of salespersons	0.76	1.0			
Population	0.62	0.06	1.0		
Income	0.56	0.21	0.11	1.0	
Ad. expenditure	0.68	0.16	0.36	0.23	1.0

All figures above 0.15 are significant at p = 0.05.

All figures above 0.35 are significant at $p \le 0.001$.

Results of Regression Analysis					
Multiple R	0.65924				
R-square	0.43459				
Adjusted R-square	0.35225				
Standard error	0.41173				
df	(5.144)				
F	5.278				
Sig.	0.000				
Variable	Beta	t	Sig. t		
Training of salespersons	0.28	2.768	0.0092		
No. of salespersons	0.34	3.55	0.00001		
Population	0.09	0.97	0.467		
Per capita income	0.12	1.200	0.089		
Advertisement	0.47	4.54	0.00001		

- a) Interpret the information contained in each of the tables in as much detail as possible.
- b) Summarize the results for the CEO of the company.
- c) Make recommendations based on your interpretation of the results.