Name:

Enrolment No:



: IV

UNIVERSITY OF PETROLEUM & ENERGY STUDIES

End Semester Examination (Online) - 10th July, 2020

Program: BBA (OG+Core+ABD+AIS) Semester

Subject/Course: Research Methodology and Report Writing Max. Marks: 100

Course Code: DSRM 2001 Duration: 3 Hours

IMPORTANT INSTRUCTIONS (Read before attempting)

- 1. The student must write his/her name and enrolment no. in the separate answer sheet (MS word document created by the students). Do not include questions(in the answer sheet) while answering otherwise it will show copy under plagiarism
- 2. Create your answer sheet as separate MS Word document.
- 3. Save your document with your (name-last four digit sap ID-Prog.-RM) for example (Ankit-3476-OG-RM)
- 4. After attempting the questions in this document, the student has to upload this MS Word document on Blackboard.
- 5. Write all the answers in bullet points and **bold** your keyword in the statement,
- 6. Keep the fort size 12 in 'bookman old style'.
- 7. Do not write/copy any question in your answer sheet (create separate MS Word document), only mention question number and start answering otherwise it will come under plagiarism.
- 8. Neither you copy nor you let copy your document or else both of them will be caught under plagiarism
- 9. Hope you have read all the guidelines sent earlier through announcement.
- 10. Before uploading, check twice whether you are uploading correct document, as there is only single attempt.

	Attempt five questions including Question 1-4 which is compulsory			
	a) Distinguish between One-tailed test and Two-tailed test with example	10	CO1	
Q.1	b) Distinguish between Type I error and Type II error test with example	10	CO1	

	A stu	dy of medical utilization	compares	mean st	ay in th	e hospital for h	neart transplant		
Q.2	operations in 2018 to the mean stay in 2000, for two separate samples of such								
	operations in the two years. In the comparison, since the same variable ("length of								CO1
	stay in the hospital") is measured for each sample, the data should be analyzed using								
	which method and why?							20	&
	(i)	dependent samples pa	oired t Te	ot.					CO2
	(1)		iiieu t-ie	Si					CO2
	(::)	OR	4. W 4						
	(ii)	Independent samples	t-rest						
	An Indian ethnic female clothe company 'Global Desi' is coming with new range of clothes. In order to map out his advertisement campaign, he wants to determine whether these designer clothes will appeal most to a particular age group or it will appeal equally to all age groups. The marketing manager takes a random sample form the ladies of all age group who has seen the advertisement and obtain the following results. Use chi square hypothesis testing five step process to find the results in your rough note book							20	
				Ag	e Group)]		
Q.3			Under	20-	40-	60 and			
		Liked the Movie	320	39 80	50	above 200	-		
		Disliked the Movie	50	15	70	60			
		Indifferent	30	5	20	40			
	 (i) state null and alternate Hypothesis in main answer sheet. (ii) Derive the conclusion in main answer sheet observing your results from rough note book a) Explain the need of Research Design with suitable example 							10	GOO
0.4								10	CO3
Q.4 b) Write down the various components with explanation while writing a academic research report						ec writing arr	10	CO3	
Q.5	Yes Bank ATMs must be stocked with enough cash to satisfy customers making withdrawals over an entire weekend. On the other hand, If too much cash is unnecessarily kept in the ATMs, the bank is forgoing the opportunity of investing the money and earning interest. Suppose that at a particular branch the expected (population) average amount of money withdrawn from ATMs per customer transaction over the weekend Rs 15000 with an expected (population) standard deviation of Rs. 1500.							20	

	(a) State the null and alternate hypo	thesis.						CO2
	 (b) If a random sample of 36 custom that the sample mean withdrawal the true average withdrawal is significance). Do the five step presult and conclusion in main a (c) What will your answer be in (b) if (d) If a random sample of 26 custom that the sample mean withdrawal the true average withdrawal is no step process in your rough note main answer sheet 	ner transa l is Rs. 16 no longe rocess in y nswer she you (use a ner transa l is Rs. 16 longer Rs.	5,500, is er Rs. 1 your rouset a 1%=.03 actions is 5,500, is	there evidence there evidence there evidence there evidence a 5%=	dence to be a 5%=.00 book and vesignificance and it is dence to be =.05 LOS).	elieve that 5 level of write your e) s observed elieve that Do the five		& CO4
	Case Study-An IOCL Pet:	rol Pump	Consum	er Satisf	action			
	The management of a leading IOCL company which looks for downstream (distribution, demand and supply) in Delhi and NCR is keen to know its customers view for its services in petrol pumps so that necessary measures can be taken to improve upon and to beat the competitors. It has designed the following questionnaire, which is handed over to consumers in IOCL petrol pumps while they come for refueling their vehicle with the request that they will get their front glass clean free of cost. Questionnaire							
Q6.		Strongly agree	Agree	Don't know	Strongly disagree	Disagree		
	 The petrol pump staffs are courteous. The petrol pump is kept very clean and tidy. The overall service is of good quality. Variety of fuel is always available. 							
	 4. Variety of fuel is always available. 5. Quality and quantity of fuel has no problem 6. The queue is well arranged with comfortable ecofriendly shades. 7. In case of any issue from 							
	consumer, it is immediately attended to. 8. Toilets are clean and tidy.							
		İ	<u>1</u>					

9. Facility for air filling is available.			
10. The space to accommodate 10 vehicles at a time is sufficient.			

Questions

- 1. Do you think that method used for acquiring information from Consumers is appropriate? Why or why not?
- 2. What type of scale is this?
- **3.** Are there any **gaps** in the information sought? If so, develop your own **questionnaire**.