Name:		UPES					
Enrolm	ent No:	UNIVERSITY WITH A PURPOSE	UNIVERSITY WITH A PURPOSE				
	UNIVERSITY OF PETROLEU						
Course	End Semester Examina		ster: III				
	Program: BA(Hons.) Economics (Spz. In Energy Eco.) Time:		: 03 Houi				
			Marks:	100			
	SECTION A (
Fach a	Each question in section A is a multiple-choice question with four answer choices. Read ea						
-	the one best answer.	in with four answer choices. Read e	ach ques	and and			
1.	Which research is the problem oriented to sol	ve a specific problem that requires					
	a decision?						
	(a) Fundamental research						
	(b) Applied research		2	CO1			
	(c) Exploratory research						
	(d) Descriptive research						
2.	Which one obtain the data from a subset of	f population, in order to estimate					
	population attributes?						
	(a) Census						
	(b) Experiment		2	CO1			
	(c) Sample survey						
	(d) Sampling						
3.	Which variable is capable of taking on an ord	lered set of values within a certain					
	range?						
	(a) Dependent						
	(b) Independent		2	CO1			
	(c) Continuous		_				
	(d) Categorical						

4.	Research Problem can be stated in the form of		
	(a) Only question		
	(b) Only statement		
	(c) Neither question nor statement	2	CO1
	(d) Either question nor statement		
5.	A sampling in which every member of the population has a calculable and non-		
	zero probability of being included in the sample is known as		
	(a) Probability Sampling		
	(b) Non- probability sampling	2	CO1
	(c) Judgment sampling		
	(d) Multistage sampling		
6.	Which scale of the following allows the categorization of responses into a number		
	of mutually exhaustive categories?		
	(a) Nominal		
	(b) Ordinal	2	CO1
	(c) Interval		
	(d) Ratio		
7.	Which one of the following is the advantage of the secondary data?		
	(a) Degree of accuracy is quite high		
	(b) It helps to improve the understanding of the problem	2	COI
	(c) Data may be outdated	2	CO1
	(d) None of the above		
8.	In which of the following scales there is no neutral point		
	(a) Likert Scale		
	(b) Interval Scale	2	COI
	(c) Stapel Scale		
	(d) Semantic Differential Scale		

9.	 Which is not used to define target population (a) Element (b) Extent (c) Sampling unit (d) Sampling frame 	2	C01
10.	In which of the following design it is possible to see the effect of more than or independent variable on dependent variable (a) Randomize block Design (b) Completely Randomized design (c) Latin square design (d) Factorial design	ne 2	CO1
	SECTION B (20 Marks)	
	Attempt All the questions:		
11.	Distinguish between null and alternative hypothesis with example.	5	CO1, CO2
12.	An investigator wants to estimate the proportion of freshmen at his Universit who currently smoke cigarettes (i.e., the prevalence of smoking). How man freshmen should be involved in the study to ensure that a 95% confidence interv estimate of the proportion of freshmen who smoke is within 5% of the tru proportion?	ny al 5	CO1, CO2
	Explain layout of the research report.	5	CO1, CO2
13.	Espannia, out of the report		

	SECTION-C						(30	(30 Marks	
	Attempt any the	ree Questi	ons:						
15.	The following table gives the number of good and defective parts produced by each of the three shifts in a factory. Shift Good Defective Total								
	Day	900		130			30	10	CO1 CO2 CO3
	Evening	700		170		87		10	
	Night Total	400		200 500		60	00		
16.	Is there any asso produced? Use a				the qua	llity of the	e parts		
	customers are satisfied. The ice-cream supplies claim that among the four mostpopular flavours, 62 percent customers prefer vanilla, 18 percent chocolate, 12percent strawberry and 8 per cent mango. A random sample of 200 customersproduces the results below. At the α=0.05 significance level, test the claim that thepercentages given by the supplies are correct.FlavourvanillachocolateStrawberryMango								
	produces the res	sults below en by the s	v. At the supplies	α=0.05 signif are correct.	icance l	evel, test t	the claim that the	10	CO2
	produces the res	sults below en by the s	v. At the supplies	α=0.05 signif are correct.	icance l	evel, test t	the claim that the	10	CO1 CO2 CO3

	Year	as given in the following ta Demand	Price				
	1996	100	5				
	1997	75	7				
	1998	80	6				
	1999	70	6		CO1 CO2 CO3		
	2000	50	8				
	2001	65	7	10			
	2002	90	5				
	2003	100	4				
	2004	110	3				
	2005	60	9				
		r ² and interpret the same. SECTION-	D (30 Mark	(s)	<u> </u>		
	Answer the quest	ion based on following Case	e Study:				
	Peter decided to	base his research project	on the Chinese firms. The main				
	objective of his proposed research was to better understand the						
	internationalizatio						
	not only to evalu						
	global brand, but						
	take in order to ac						
19.	Give the suitable i		CO1				
	of your answer.	10	CO2				
	U C		CO3				
30	Con your groups of a	hattan dagi an 9					
20.	Can you suggest a		CO1 CO2				
				10	CO2		
					CO3		
21.	What are the main		C01				
			CO2				
				10	CO3		