Name	e: Iment No:				
Enrolment No:					
	UNIVERSITY OF PETROLEUM AND ENERGY STUDIES				
a	End Semester Examination, May 2019	Semester:			
Course: Business Analytics using ExcelSProgramme: BA Energy EconomicsC. Code					
	Marks: 100	Time: 03 H			
Instru	actions: Please answer the questions strictly in Context				
	SECTION A		1		
	e on the following in brief	Marks	CO		
Q.1.	Mode	4	1		
Q.2.	Standard Deviation	4	1		
Q.3.	Percentile	4	1		
Q.4.	Correlation	4	1		
Q.5.	Conditional Probability	4	2		
Q.6.	Z value	4	1		
Q.7.	Multiplication Rule (Probability)	4	3		
Q.8.	Addition Rule (Probability)	4	3		
	SECTION B	ŀ			
Attempt all Questions					
Q.1.	What would be the outputs of the following Excel functions				
	a. NORMDIST				
	b. NORMSDIST c. NORMINV	3*6=18	2		
	d. NORMSINV	3*0=18	3		
	e. BINOMDIST				
	f. CRITBINOM				
Q.2.	In what scenarios are 'Box Plots' useful ways of data representation?	10	4		
Q.3.	How can t-values and p-values (the results of regression run on data) be helpful in deciding the independent variables of a regression model?	20	4		
	SECTION C	I	I		
Attempt this section					
Q.1.	What are 'Interaction variables'? How do 'Non-linear transformation of variables' with regression modeling?	Markshelp20	5		

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0	UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, May 2019	S	117		
Programme: BA Energy Economics C. Code			Semester: IV e: DSBA 2001 ime: 03 Hours		
Instru	actions: Please answer the questions strictly in Context SECTION A				
Write	e on the following in brief	Marks	СО		
Q.1.	Mode	4	1		
Q.2.	Outlier	4	1		
Q.3.	Percentile	4	1		
Q.4.	Correlation	4	1		
Q.5.	Conditional Probability	4	2		
Q.6.	Z value	4	1		
Q.7.	Multiplication Rule (Probability)	4	3		
Q.8.	Addition Rule (Probability)	4	3		
Q.9.	Box Plot	4	3		
Q.10	Two Tailed Test	4	2		
Q.11	Confidence Interval	4	1		
Q.12	Mutually Exclusive Events	4	1		
Q.13	Inter Quartile Range.	4	1		
	SECTION B		I		
Atten	npt all Questions	Marks	СО		
Q.1.	 What would be the outputs of the following Excel functions a. NORMDIST b. NORMSDIST c. NORMINV d. NORMSINV e. BINOMDIST f. CRITBINOM 	3*6=18	3		
Q 2	The frequency distribution of shoe sizes for a sample of 21 women was collected and summarised in below table. Find the Average Shoe Size Shoe Size Shoe Size Shoe Size Frequency 4 5 5 6 6 7 7 2 8 1 Total	d is 5	4		
Q.3.	Let's assume that you invest in Company XYZ stock, which has returned an average 10% per year for the last 10 years. How risky is this stock compared to, say, Compa ABC stock, which also has an average return of 10%?		4		

Year	Return (Company XYZ)	Return (Company ABC)		
1	5%	8%		
2	-15%	10%		
3	35%	9%		
4	0%	10%		
5	25%	10%		
6	-10%	12%		
7	50%	9%		
8	5%	10%		
9	10%	9%		
10	-5%	12%		
Average	10%	10%		
	ow can t-values and p-values (the results of regression run on data) be helpful in ciding the independent variables of a regression model?			