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UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, April 2018

End Semester Examination, April 2016				
Pro	ogramme: MBA Oil & Gas Management	Semester –	IV	
Co	urse Name: Data Analytics & Applications in Oil and Gas	Max. Marks	: 100	
	urse Code: MBOI 905	Duration	: 3 Hrs	
	of page/s:	Duration	• • • • • • • • • • • • • • • • • • • •	
		•	0:1.00	
1.	Elaborate upon the given distributions with examples and relevant expressions.	essions— (<u>8</u> *4=32)	
	a. Binomial Distribution			
	b. Poisson Distribution			
	c. Geometric Distribution			
	d. Exponential Distribution			
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2.	What do you mean by Measures of Central Tendency? Give the prominent	ly used such me	easures.	
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	what are the sections when we choose one measure over the other.		(12)	
3.	What could be the various parameters/variables that should be monitored due	ring a drilling or	acration	
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	to assess its efficiency and safety?		(12)	
	William (D. A.D. I. Martin I. C. C. and I. I. C. C. C. I.	175	. (0)	
4.	What is 'Degree of Freedom'? How does it affect the calculation of 'Standa	ard Deviation?	(8)	
5.	What is the "Finite Population Correction Factor"? Elaborate the rationale	for its usage.	(7)	
6.	(a) Elaborate upon the " Central Limit Theorem ", and its implications.		(15)	
	(b) Why do we consider a sample size >=30 as large?		(8)	
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7	What is the significance of \mathbb{R}^2 value we get after a Regression?		(6)	
, .	That is the significance of it value we get after a regression.		(0)	
