APPEARANCE OF MOBILE PHONE(S) / SMART DEVICE(S) SUBJECT TO CONSIDERED AS AN <u>ACT OF CHEATING</u>

College	e Name:										
Studen	nt Name: Fa	ther's Name:									
Сору N	No:										
	KARACHI UNIVERSITY BUSINESS SCHOOL UNIVERSITY OF KARACHI FINAL EXAMINATION AFFILIATED COLLEGES; JUNE 2016 STATISTICAL INFERENCE; BA (H)–432 (PART B) BBA – IV										
Date:	: June 11, 2016	Max Time: 90 Mins Max Marks: 30									
1. 2.	Attempt all questions. Do not TABLES ARE NOT REQUIRED. Mobile phones or any other com the examination room. Studen these devices before entering tl	write anything on the question paper. municating device will not be allowed in ts will have to remove the batteries of ne examination hall.									
Q1 a) b) i) ii)	Draw all samples of size three without replacement from the population 2, 3, 4, 4, 5, 6 In a random sample of 400 industrial accidents it was found that 231 were due at least partially to unsafe working conditions. Construct a 99% confidence interval for true proportions [Table value, ±2.57] By using the result of part (i), Can we say that 50% of the accidents are due to unsafe working condition? Justify your answer. (Calculation not required)										
Q2 a) b)	The following data represents the test of Group I $n= 12$ mean=76 Group II $n= 10$ mean=81 Construct 95 % Confidence interval for By using the result of part (i), Commen Discuss the techniques of reducing Typ	score obtained by two group of people Standard deviation = 2.8 Standard deviation = 3.2 difference of means [Table value (1.725)] t on the significance at 5% e I error and Type II error.									
Q3 a)	Following are the measurements of the droplets is an impulse engine.	e air velocity and evaporation rate of burning fuel									

Air velocity cm/s X	20	60	100	140	180	220	260	300	340	380
Evaporation rate mm ² /s Y	0.18	0.37	0.35	0.78	0.56	0.75	1.18	1.36	1.17	1.65

N=10 $\Sigma X=2000 \Sigma Y=8.38 \Sigma XY=2175.40 \Sigma Y^2=91097 \Sigma=X^2=532000$ By using the results. Calculate the Regression line Y on X. Interpret the value of a and b

b) A coin is tossed 200 times; the result is 110 heads and 90 tails. Test the hypothesis that the coin is balanced.at 5% level of Significance. **[Chi square Table Value=3.481]**

END OF SUBJECTIVE PAPER