College Name:	
Student Name:	Seat No:
Сору No:	
KARACH	II UNIVERSITY BUSINESS SCHOOL
	UNIVERSITY OF KARACHI
FINAL EXAMINATION	ON DECEMBER 2016; AFFILIATED COLLEGES
BUSI	NESS STATISTICS: BA (M) – 532
	MBA – II
Date: January 6, 2017	Max Time: 2 Hrs
	Max Marks: 30
INSTRUCTIONS:	
1. Attempt all questions	. Do not write anything on the question paper.
2. Mobile Phone(s) or an	ny other communicating device will not be allowed in t
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- 2. Mobile Phone(s) or any other communicating device will not be allowed in the examination room. Students will have to remove the batteries of these devices before entering the examination hall.
- Q1 a) The following data represents the running times of films produced by two company.

Company I	150	160	145	150	140	155	150	155
Company II	170	150	145	160	140	165	155	160

Calculate which company is more consistent.

- b) Write two properties of

 i) Standard Deviation ii) Coefficient of Variation iii) Coefficient of Correlation
 iv) Coefficient of Regression iv) Mode
- Q2 a) i) The number of ways in which letters of the word INFINITY can be arranged. ii) How many four digit numbers can be formed from the digits 0,5,6,7,8,9. If each digit is used only once.
 - b) <u>Calculate the missing values for four examples on the table below</u>

Sr	Class interval	Mid-point	Class boundary	Width of class		
a.	0.05	?	?	?		
b.	(-2.5)(-1.5)	?	?	?		
с.	1.984—2.872	?	?	?		
d.	?	5	?	4		

- Q3 a) The probability that 30% of the people travel by motorcycle wear glasses. From a sample of 8 motor cycle owners, calculate the probability that
 - i) Exactly 2 wear glasses
 - ii) At-least 6 wear glasses
 - iii) More than mean number wear glasses
 - b) The data shows amount received when Rs 100 is invested in a bank term deposit

Time in years X	3	5	8	10	12	15	20
Amount received per year Y	6	8	12	15	18	25	30
Data: ΣX=73 ΣY=114 Σ	XY=1495	ΣX ² =	967	ΣY ² =	2318		

i) Find regression line to estimate amount received when deposited for 6 years.

ii) Interpret a and b.

END OF SUBJECTIVE PAPER