

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

College Name: _____

Student Name: _____ Seat No: _____

Copy No: _____

**KARACHI UNIVERSITY BUSINESS SCHOOL
UNIVERSITY OF KARACHI
FINAL EXAMINATION JUNE 2015; AFFILIATED COLLEGES
BUSINESS STATISTICS; BA (M)-532 (PART B)
MBA – II**

Date: June 18, 2015

Max Time: 60 Mins

Max Marks: 30

INSTRUCTIONS:

- 1. Attempt ALL questions. Do not write anything on the question paper.**
- 2. Mobile phones 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 Give reason why

- i. The Mutually exclusive events are not independent.
- ii. In binomial distribution mean always greater than variance.
- iii. For open ended class interval Arithmetic mean cannot be calculated.
- iv. Coefficient of variation is independent of scale but dependent on origin.
- v. Six students shake-hand with each other and exchange their ID cards: give reason why handshaking is combination and exchange of ID cards is permutation

Q2 In an mathematics class of 30 children, 10 likes algebra, 5 likes trigonometry and 15 likes geometry. A child is picked at random, calculate probability that the child likes

- i. Algebra
- ii. Both algebra and geometry
- iii. Either Trigonometry or geometry

If two children are picked at random calculate the probability that

- i. Both take geometry
- ii. One takes algebra and other takes trigonometry

Q3 A girl noted the waiting time for the school bus on 30 mornings, following data were obtained.

Time in min	1--4	5--8	9-- 12	13--16	17--20
Frequency	3	6	10	7	4

- i. What is the total time she waited for bus in a month
- ii. Calculate mean and variance
- iii. Calculate coefficient of variation
- iv. What will be the effect on coefficient of variation, if the time noted in seconds instead of minutes.

END OF SUBJECTIVE PAPER