ZIAUDDIN UNIVERSITY
EXAMINATION BOARD

EXAMINATION SYLLABUS 2020 – 2021

Grade: Second Year Commerce.

Subjects: Statistics.

This exam syllabus is produced to facilitate teachers, students and the test setters to teach, learn and assess subject specific learning. This syllabus is condensed to align the course content with the teaching learning time during COVID 19.

CONDENCED SYLLABUS

INTRODUCTION TO STATISTICS	• Definition of Statistics. • Characteristics of Statistics. • Descriptive and inferential Statistics. • Important terms and basic concepts. • Population, Sample, Parameter. • Variables, Qualitative and Quantitative variables, Discrete and Continuous Variables. • Collection of Statistical Data. • Primary Data, Secondary data. • Methods of Collection of Primary and Secondary Data. • Function of Statistics. • Limitations and Application of Statistics
PRESENTATION OF DATA	• Frequency distributions, Grouped frequency distribution. • Basic steps for constructing a grouped frequency distribution. • Relative frequency distribution. • Cumulative frequency distribution. • Qualitative frequency distribution
GRAPHS & DIAGRAMS	• Introduction to graphs. • Histogram Frequency polygon. • Frequency curve, shape of frequency curves. • Ogive simple Bar diagram. • Multiple Bar Diagram. • Component Bar diagram, Pie diagram.

AVERAGES	• Introduction to Average. • Definition of an Average. • Types of Average. • Arithmetic Mean, Properties of Arithmetic Mean. • Median, Mode
INDEX NUMBER	• Introduction of Index Numbers. • Types of Index Number. • Simple Index Numbers. • Composite Index Numbers. • Simple Price Index Numbers (Fixed Base and Chain Base Method). • Composite Price Index Numbers. • Weighted Index Numbers. • Weighted Aggregative Price Index Numbers. • Laspeyre's Formula. • Paasche's Formula. • Fisher's Formula.
PROBABILITY	• Factorial Notation Permutations. • Probability, definition of Probability. • Problems on Coin and Dice. • Laws of Probabilities