Boards of Technical Education Pakistan
STATISTICS
DBA – I (Approved Syllabus For ACCA Students)

Total Contact/ Teaching Hours: 120   **Total Marks: 100**

S. No	Topic	Marks

1	**Introduction: Statistical Data**
	  i) Statistical Data
	  ii) Business Data
	  iii) Types of Data
	  iv) Classification and Tabulation of Data
	  v) Discrete and Continuous Data
	  vi) Frequency and Distribution
		20

2A	**Data Analysis:**
	Measures of Central Value for Grouped and Ungrouped Data
	  i) Arithmetic Mean
	  ii) Geometric Mean
	  iii) Harmonic Mean
	  iv) Median
	  v) Mode
	  vi) Quartiles, Deciles and Percentiles
		10

2B	**Measure of Dispersion**
	  i) Range and its co-efficient
	  ii) Quartile deviation and its co-efficient
	  iii) Mean deviation from Mean, Median and Mode
	  iv) Standard deviation and variance
	  v) Co-efficient and variation
		10

2C	**Skewness and Kurtosis**
	  i) Pearson's and Bowley's methods of computing co-efficient of skewness for a Business data
	  ii) Platy Kurtic, Meso Kurtic and Lepto Kurtic curves for a business data
		10

2D	**Correlation and Regression**
	  i) Definition of co-relation and regression
	  ii) Simple correlation for ungrouped and grouped data
	  iii) Fitting of regression lines and forecasting
		10

2E	**Chi-squares test**	5
2F	**Analysis of time series** One way classification and Two way classification	5

3	**Diagrammatic Presentation of Data**
	  a) Bar Diagram
	  b) Rectangular Diagram
	  c) Pie Diagram
	  d) Histogram
	  e) Frequency
	  f) Frequency curve and histogram
		10

4	**Application of Index Number in Business**
	  a) Fixed based and chain based methods
	  b) Weighted index number
	  c) Paasch's, Lasperyre's, Fisher's and Marshall-Edgewaroth's Index Number
		10

5	**Probability**
	  d) Definition
	  e) Addition Law and Multiplication Law
	  f) Conditional probability and Baye's theorem
		10

Total		**100**

Reference Books – Following authors' books have been recommended for teaching and studies purposes. Tutors/ students can also use the reference books besides below mentioned books as per the availability in their region.

a. Shahid Jamal
b. Khursheed Alam
c. Hamid A Hakeem