

ORIENTATION PROGRAM FOR III SEMESTER B.COM REVISED SYLLABUS 2019-20 ONWARDS HELD AT SESHADRIPURAM EVENING COLLEGE ON 1-12-2020

SUBJECT- BUSINESS DATA ANALYSIS

Resource Persons: Dr. B G Bhaskar, Principal, Vivekananda Degree College, Bengaluru.

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REPORT ON THE DELIBERATIONS

Unit	Coverage and Marks Allotment	Pattern
1	Introduction – Meaning, Functions and Uses of Statistics 12 Hours	Section A -1 or 2 Questions Section B- 1 or 2 Questions on Tabulation and Diagrams
	Collection of Data - Techniques of Data Collection – Census Technique and Sampling Technique (Concepts)	
	Classification: Meaning, and Methods of Classification of Data	
	Tabulation: Meaning, Parts of a Table – Simple problems on Tabulation	
	Diagrammatic Presentation: Bar Diagrams – Simple Bars, Multiple Bars, Percentage Sub-divided Bar Diagram; Two Dimensional Diagrams – Pie Diagram.	
2	MEASURES OF CENTRAL TENDENCY AND DISPERSION 18 Hrs.	Section A -1 or 2 Questions Section B- 1 Question on Mean or median or mode or S.D Section C <ul style="list-style-type: none"> • Any 2 or 3 measures of C. Tendency • Interpretation of variability using C.V for 2 groups • Calculation of Skp
	Measures of Central Tendency: Arithmetic Mean: Calculation of Arithmetic Mean for Individual, Discrete and Continuous Series – Problems using Direct Method	
	Median: Calculation of Median for Individual, Discrete and Continuous Series	
	Mode: Calculation of Mode for Individual, Discrete and Continuous Series using Inspection method (Excluding problems using Grouping Tables), Empirical relation between Mean, Median and Mode.	
	Measures of Dispersion: Calculation of Standard Deviation and Coefficient of Variation in Individual, Discrete and Continuous Series – Problems using Direct Method.	
	Problem on calculation of Mean, Median and Mode	
	Measures of Skewness: Calculation of Karl Pearson’s co-efficient of Skewness (Uni-modal)	
3	CORRELATION AND REGRESSION ANALYSIS 12 Hrs. Correlation Analysis - Meaning, Types of Correlation, Calculation of Karl Pearson’s Coefficient of	Section A -1 Question

	Correlation in individual series – Problems using Direct Method only; Computation of Probable Error.	Section B- 1 <ul style="list-style-type: none"> • Question on regression equations given the regression coefficients or • Probable Error and Significance of 'r'
	Regression Analysis – Meaning of Regression, Estimation of X and Y values using Regression Equations when regression coefficients are given.	Section C Calculation of Karl Person's 'r'
4	TIME SERIES ANALYSIS 06 Hrs. Meaning, Components, Fitting a straight-line trend using Least Square Method (Problems where $\Sigma X=0$ only), calculation and estimation of trend values. Additional topic to be taught: Graph on time series (Plotting actual and Trend values of graph)	Section A- 1 Question Section C Fitting a straight line trend and obtaining the trend values and estimations with or without graph.
5	INTERPOLATION AND EXTRAPOLATION 08 Hrs. Meaning, Assumptions, Methods of Interpolation – Binomial Expansion Method with one or two missing values, Newton's Advancing Differences Method (Problems on one missing value using maximum five X values)	Section A- 1 Question Section B- Binomial Expansion method to interpolate for 1 missing value Section C <ul style="list-style-type: none"> • Binomial Expansion method to interpolate for 2 missing values • Newton's Method with 1 missing value to be interpolated or 2 missing value with one given in the table and the other to be interpolated