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| Lesson plan of Mathematics ,session (2020-21)  **BBA-2nd sem ( Business Statistics)** | | | |  |
| **WEEKS** | **Chapter** |  |
| 1 | Statistics: Meaning, evolution, scope, limitations and applications; data classification; tabulation |  |
| 2 | and presentation: meaning, objectives and types of classification, formation of frequency distribution, role of tabulation, |  |
| 3 | parts, types and construction of tables, significance, types and construction of diagrams and graphs. |  |
| 4 | Measures of Central Tendency and Dispersion: Meaning and objectives of measures of central tendency, different measure viz. arithmetic mean, median, mode, |  |
| 5 | geometric mean and harmonic mean, characteristics, applications and limitations of these measures; |  |
| 6 | measure of variation viz. range, quartile deviation mean deviation and standard deviation, co-efficient of variation and skewness. |  |
| 7 | Correlation and Regression: Meaning of correlation, types of correlation – positive and negative correlation |  |
| 8 | simple, partial and multiple correlation, methods of studying correlation; scatter diagram, graphic and direct method; properties of correlation co-efficient, |  |
| 9 | rank correlation, coefficient of determination, lines of regression, co-efficient of regression, standard error of estimate. |  |
| 10 | Index numbers and time series: Index number and their uses in business; construction of simple and weighed price, |  |
| 11 | quantity and value index numbers; test for an ideal index number, components of time series viz. secular trend, cyclical, seasonal and irregular variations |  |
| 12 | methods of estimating secular trend and seasonal indices; use of time series in business forecasting and its limitations, calculating growth rate in time series. |  |