Appendix ‘B’
(Syllabi and Courses of Reading)

1. **Introduction:**
   Definition. characteristics and limitations of statistics. Collection, classification and tabulation of data.

2. **Graph and Diagrams:**
   Bar and pie diagrams. Graphs of frequency distribution viz. Histogram, frequency polygon, frequency curve, cumulative frequency curve. Graphic interpolation.

3. **Averages:**
   Elementary knowledge and numerical illustrations of arithmetic mean, median, mode, and weighted average, smoothing of fluctuations by moving average method.

4. **Dispersion:**
   Elementary knowledge and numerical illustrations of range, fractiles, quartile deviation, standard deviation, co-efficient of skewness and co-efficient of variation.

5. **Attributes and Chi-Square:**
   Concept of attribute, idea of independence and association, dichotomy, co-efficient of association, contingency tabic. Chi-square.

6. **Correlation:**
   Concept of regression, simple correlation and rank correlation with numerical illustrations.

7. **Sampling:**
   Concept of sampling. Definition of population and sampling unit. Purposive and random sampling. Drawing of a random sample without replacement from finite population.

**Recommended Books:**
