



- Notes :
1. All the questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagram wherever necessary.
  3. Avoid vague answers and write the answers relevant to questions only.

1. Either
- a) Explain in detail various objectives of Research methodology. **8**
  - b) Discuss in detail about sin p of Research. **8**
- OR**
- c) How the Research problem is defined? Explain. **8**
  - d) Write in detail about various approaches for Research. **8**
2. Either
- a) Explain in detail the criteria for sampling procedure. **8**
  - b) Explain various types of Report writing. **8**
- OR**
- c) Discuss in detail characteristics of good sample design. **8**
  - d) Write in detail about technique of Interpretation. **8**
3. Either
- a) Define hypothesis. Write in detail about level of significance. **8**
  - b) Explain in detail chi-Square test. **8**
- OR**
- c) What are the limitations of Hypothesis testing? Explain. **8**
  - d) Explain in detail the test significance based upon T and F. **8**
4. Either
- a) Define Chi-Square test. Write the limitations of chi-square test. **8**
  - b) Explain in detail about yate's correction. **8**
- OR**
- c) Explain ANOVA in Test in Latin square Design. **8**
  - d) Explain Chi-Square test as a test of Independence. **8**
5. Attempt all the questions.
- a) Explain in brief about telephonic interview for data collection. **4**
  - b) Write a short note on systematic Random type of sample design. **4**
  - c) Write a note on degree of freedom. **4**
  - d) Explain in brief ANOVA. **4**

\*\*\*\*\*