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Notes : 1. All questions are compulsory and carry equal marks.

1. Explain in brief pure and applied design of research. **16**

**OR**

a) Explain concept of research design. **8**

b) Explain motivation in research. **8**

2. Explain exploratory and descriptive design of research on the basis of methodology. **16**

**OR**

a) Explain stratified technique of sampling. **8**

b) Explain data collection. **8**

3. Describe in detail probability with suitable examples. **16**

**OR**

a) Explain multistage technique of sampling. **8**

b) Explain qualitative descriptive research. **8**

4. Explain in detail chi square test. **16**

**OR**

a) Explain meaning of correlation and regression. **8**

b) Explain fabulation techniques in detail. **8**

5. Write short notes on:-

a) Introduction of research. **4**

b) Field experiments. **4**

c) Standard errors. **4**

d) Pie charts. **4**

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