



**Q.1. Give short answers of the following: (6x5=30)**

1. Preliminary research
2. Causal and correlational hypothesis
3. Cluster and stratified random sampling
4. Interval and ratio scales
5. Qualitative and quantitative data
6. Exploratory and Causal research questions

**Q.2. Answer the following questions in detail. (3x10=30)**

1. What is problem statement and why is it important for a research study?
2. What are various forms of hypotheses? Explain
3. What are various forms of scale used in studies? Explain