Exercise

1. What is statistics ? Elaborate on the statistics with reference to business and economics.
2. Explain the scope of statistics in engineering and technology.
3. Give a brief note on the statistics in medical or biological fields.
4. Define statistics. Give importance of statistics. (any 5)
5. What are the limitations of statistics ? Explain one limitation in brief.
6. What are the reasons of distrust of statistics ? Give suitable example.
7. How statistical data can be misinterpreted ? Explain it with suitable examples.
8. What is population and sample ? Give difference between them.
9. Define sampling. Give its types. Explain any one.

10. Discuss the following in brief : 1) Purposive sampling, 2) Random sampling, 3) Simple sampling, 4) Stratified sampling.

11. What is parameter of population ? Discuss it in brief.

12. Give method of sample distribution of a statistics.

13. Mention methods of estimation. Discuss testing of hypothesis in short.

14. Give comparison between sampling with and without replacement.

15. What is random sample ? Explain lottery method and random numbers.

16. Explain random numbers and mention tables of random numbers.

17. What are the advantages and disadvantages of statistical analysis ?