

Q3 Discuss about the nature of statistics as science?

Ans Science refers to a systematic body of knowledge. It studies cause and effect relationship and attempts to make generalisation in the form of scientific principle of laws.

# Nature of statistics as science

- ① Statistics as science deals with systematic body of knowledge and cause and effect relationship.
- ② Statistics is not a science, it is a scientific method.
- ③ It is based on practical work and plural senses.

Q. Give a brief explanation about scope of statistics?

Statistics covers all field in quantitative appear and need analysis. It is essential for stage of planning to the stage of conclusion.

1) Statistics and state → As per reports of collection of data statistics was developed as a state craft for maintaining economic strength, state function have increased due to increase in the concept of welfare.

2) Statistics and Business → Statistics is now considered as an indispensable tool in the analysis of activities in field of business, Commerce & industry. Business production depend on state demand in future demand of product increase for sale, essential planning.

3) Statistics and Medical, Biological and agricultural sciences → Statistics is also one of the most prominent tool in field of medicine, biology and agriculture. Statistics analysis for good result in future sale and production.