2018

(December)

(Held in January 2019)

COMMERCE

Paper : 203

(Research Methodology and Statistical Analysis)

Full Marks : 80

Time : Three hours

The figures in the margin indicate full marks for the questions.

Answer the following.

1. (a) What are the different types of research? Explain them in brief.

4+12=16

Or

(b) What do you mean by data? Distinguish between primary data and secondary data.

4+12=16

2. (a) What is measure of skewness ? Explain the three different formulas to compute the coefficient of skewness.

6+10=16

Or

(b) What are the different measures of central tendency ? How these measures are used in analyzing data under different circumstances ? 4+12=16

3. (a) Explain what is probability in statistics. State the situation under which multiplicative probability model is used.

4+12=16

Or

(b) State Bayes' theorem and illustrate it with an example. 8+8=16

4. (a) Discuss the methods of determining sample size. 16

Or

(b) Distinguish between type-I error and type-II Error. 16

5. (a) What is non-parametric statistical test? Under what circumstances non-parametric tests are used?

6+10=16

Or

(b) Explain Wilcoxon Signed test with appropriate examples.

16

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