

Or

A company has the head office in Kolkata and a branch in Guwahati. The Personnel Director wanted to know if the workers at the two places would like the introduction of a new plan of work and a survey was conducted for that purpose. Out of a sample of 500 workers in Kolkata, 310 favoured the new plan. In Guwahati, out of a sample of 400 workers, 164 were against the new plan. Test whether there was any significant difference between the two groups of workers in their attitude towards the new plan at 5% level of significance.

10

Total number of printed pages-4

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COMMERCE

Paper : COM-3016

(Research Methodology)

Full Marks : 80

Time : Three hours

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

1. Answer the following questions :
 - (a) What is fundamental research ? 2
 - (b) State whether the following statement is true or false :
 - 'Level of significance is associated with type II error'. 1
 - (c) Distinguish between 'parameter' and 'statistic'. 2
 - (d) Mention one advantage of 'schedule'. 1

Contd.

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(e) Mention the different parts of a table. 2

(f) Mention one limitation of judgement sampling. 1

(g) Mention a few sources of secondary data. 1

2. (a) Elucidate the concept of research. 5

Or

Write a note on sample survey. 5

(b) What are type I error and type II error ? Define level of significance. $2+2+1=5$

(c) Mention the characteristics of a good questionnaire. 5

(d) Briefly discuss the factors which should be taken into consideration while fixing sample size. 5

Or

What is ANOVA ? What are the assumptions of ANOVA ? $2+3=5$

3. (a) What is a research problem ? What are the components of a research problem ? Mention the various points to be kept in mind while selecting a research problem. $2+4+4=10$

Or

Write a note on the preparation of a research proposal. 10

(b) Discuss elaborately the multistage random sampling technique. 10

(c) Discuss analysis and interpretation of data. 10

Or

Highlight the various steps involved in a research process. 10

(d) Highlight the various methods of collecting primary data. 10

(e) Describe the layout of a research report. What precautions a researcher should take in preparation of a report ? $6+4=10$