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**4 & 6 SEM TDC STRM (CBCS)
SEC 4.1/6.1**

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(June/July)

[Skill Enhancement Course]

**STATISTICAL TECHNIQUES FOR
RESEARCH METHODS**

Paper : SEC-4.1/6.1

Full Marks : 26

Pass Marks : 10

Time : 1½ hours

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

1. Choose the correct answer :

1×3=3

(a) Good research is

(i) logical

(ii) replicable

(iii) Both (i) and (ii)

(iv) None of the above

(Turn Over)

- (b) A researcher wants to study the association between gender and using a mobile phone, data collected for this study will be
- (i) quantitative data
 - (ii) qualitative data
 - (iii) continuous data
 - (iv) classified data
- (c) For conducting a large survey to know the opinion of teachers regarding higher secondary education, which tool will be most appropriate?
- (i) Questionnaire
 - (ii) Interview
 - (iii) Observation
 - (iv) None of the above
2. (a) Define research. Write its objectives and motivation. 5
- Or
- (b) What are the different types of research? Explain each of them.
3. (a) Define the following terms : 6
- (i) Target population
 - (ii) Sampling frames
 - (iii) Coverage errors
- Or
- (b) Write about the different methods of data collection.

4. (a) "Processing of data implies editing, coding, classification and tabulation." Describe in brief these four operations pointing out the significance of each in context of research study. 6

Or

- (b) Write a brief note on different types of analysis of data pointing out the significance of each.

5. Answer any one of the following : 6

- (a) Write the steps to develop a questionnaire.
- (b) Discuss the necessity of research problem.
- (c) Discuss the precautions taken in interpretation of a research finding.
