

2024

FYUGP B. A./B.Sc./ B. Voc. 1st Semester Examination

Sub. : Statistics

(Skill Enhancement Course)

Paper : SECO102603

(Data Collection and Presentation)

Time : 2 Hours

Full Marks : 45

1. Answer the following questions as directed : $1 \times 5 = 5$
- (a) A table is a systematic arrangement of statistical data in ____ and ____ (Fill in the blanks).
 - (b) A sample survey is less expensive than a census. (State True or False)
 - (c) Data originally collected for an investigation are known as _____. (fill in the blanks)
 - (d) In a statistical table, captions refer to the _____ headings and stubs refer to the _____ headings. (fill in the blanks)
 - (e) Questionnaire method cannot be used when the informants are illiterate. (State True or False)
2. Answer any five questions from the following: $2 \times 5 = 10$
- (a) What is the difference between questionnaire and schedule?
 - (b) Distinguish between primary and secondary data.
 - (c) What are the advantages of tabulation of data.
 - (d) What is random sampling?
 - (e) Write two demerits of sample survey.
 - (f) Write the steps to obtain a bar diagram in MS-Excel.

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- (g) What precautions should be taken while using secondary data?
- (h) What are the features of MS-Excel?
- (i) Define cell and worksheet w.r.t. MS-Excel.
- (j) Write true or false for the following statements.
- (i) Pre testing of the questionnaire is not necessary.
- (ii) Questionnaire should be accompanied with a covering letter.

3. Answer any four questions from the following: $5 \times 4 = 20$

- (a) Write about the applications of statistics in social science.
- (b) In certain data, the following three main characteristics with their sub characteristics are present.

Main Characteristics	Sub Characteristics
Locality	Rural, Urban
Sex	Male, Femal
Age	0-30, 30-60, 60-90, 90 and above

Prepare a suitable form of the table.

- (c) Briefly explain the merits and demerits of diagrams.
- (d) What are the chief features of a good questionnnaire?
- (e) What ar the advantages of census?
- (f) What are the merits and demerits of direct personal interview method of collecting primary data,
- (g) What are the various sources of secondary data.
- (h) Draw a histogram for the following data :

Marks	10-20	20-30	30-40	40-50	50-60	60-70
Students	3	2	13	12	16	9

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4. Answer any one question from the following: $10 \times 1 = 10$

- (a) What are the main reasons for having resort to sample survey instead of complete enumeration?
 $2+8=10$
- (b) Discuss different methods of collecting primary data.
10
- (c) What is simple random sampling? Discuss various methods of drawing a simple random sampling.
 $2+8=10$
- (d) Explain various parts of a table. 10

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