2023

FYUGP

SEMESTER-1

ECONOMICS

Paper : SEC-010-2603

(Data Collection and Presentation)

Paper Code : SEC-0102603

Full Marks: 45
Time : 2 hours

The figures in the margin indicate
full marks for the questions

1. **Answer the following questions (any five):** 1×5=5
   a. Prefatory notes are also known as
      i. Source note
      ii. Head note
      iii. Foot note
      iv. Both i and ii
   b. Which of the following is/are parts of a table? :
      i. Table number
      ii. Body of the table
      iii. Stubs
      iv. All of the above
   c. Which of the following is/are one dimensional diagram?
      i. Simple bar diagram
      ii. Sub divided bar diagram

iii. Pie diagram

iv. Both i and ii

d. A schedule is generally filled up by

i. Researcher

ii. Informants

iii. Government

iv. Educational institutions

e. The data which are collected through internet is called

i. Internal secondary data

ii. External secondary data

iii. Documentary sources

iv. None of the above

f. The search for answers to research questions is called collection of

i. Data

ii. Information

iii. Forms

iv. Schedule

g. Primary data can be collected by the

i. Researcher himself

ii. Government

iii. Auditor

iv. Banks and financial institutions

2. Answer the following questions (any five): 2×5=10

a. What is a general purpose table?

b. Mention two merits of graphic presentation.

c. Give two reasons to use footnotes in a table.

d. Mention any two advantages of Sample Survey Method over Census.

e. Distinguish between Simple Random Sampling and Stratified Random Sampling.

f. Write any two parts of a table.

g. Mention two limitations of diagrams.

3. Answer the following questions (any four): 5×4=20

a. Differentiate between simple table and complex table with the help of an example. 5

b. Distinguish between a histogram and a bar diagram. 5

c. Define pie-diagram. Discuss the steps involved in constructing a pie diagram. 1+4=5

d. What are the different types of diagrams commonly used for presentation of statistical data? Discuss. 5

e. Represent the following data with the help of a sub-divided bar diagram: 5

Year	Production (in '000 tones)		
	Wheat	Rice	Cotton
2002	35	22	10
2003	15	25	16
2004	40	12	20

f. What is meant by census method? Discuss its merits and demerits. 1+4=5

g. Discuss the principles which should be followed while drafting a good questionnaire. 5

4. Answer the following questions (any one): 10×1=10

a. Construct histogram and frequency polygon from the following distribution:

Class interval	0-10	10-20	20-30	30-40	40-50
Frequency	10	4	6	14	16

b.

i. Construct a table for the following data:

In 2002, out of 360 students in a college, 240 were from B.

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Com (H) and the rest from Eco (H). In 2004, total number of students was 450. Out of them, 320 were from Eco (H).

5

ii.   The following table shows the marks obtained by Nikita and Sarthak in an examination.

Subject	Nikita	Sarthak
Business Studies	80	70
Accounts	90	80
Statistics	95	90
Economics	75	95
English	60	65

Draw two pie diagrams to represent the given data.   5

c.   What are secondary data? State two published sources of secondary data. What precautions should be taken in collecting secondary data?   2+2+6=10

d.   What is the purpose of a frequency polygon? Explain the properties and limitations of frequency polygon. 2+4+4=10