

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2023
(Regular/Improvement/Supplementary)

PSYCHOLOGY
GPSY1C02T: DESCRIPTIVE STATISTICS

Time: 2 Hours**Maximum Marks: 60**

SECTION A: Answer the following questions. Each carries *two* marks.

(Ceiling 20 Marks)

1. Define geometric mean.
2. Enlist the features of harmonic Mean.
3. Define standard deviation.
4. Write the different methods for collecting primary data.
5. For any data always exists a single mode. Is it true? Justify.
6. List out the demerits of geometric mean.
7. What is a chronological classification of data?
8. What is multiple bar diagram?
9. List out the merits of median.
10. What is percentile measure of kurtosis?
11. State the empirical relationship between mean, median and mode.
12. Explain the weighted arithmetic mean.

SECTION B: Answer the following questions. Each carries *five* marks.

(Ceiling 30 Marks)

13. Define skewness of a data. How do measure it.
14. Explain about relative measure of dispersion.
15. Describe the steps involving construction of frequency distribution with the help of an example.
16. Find harmonic mean for the following data.

Mark	11	12	13	14	15
No. of Students	3	7	8	5	2

17. What are the sources of secondary data?
18. Describe the steps involved in sample survey?
19. What are ogives? How to you construct less than and greater than ogives?

(PTO)

SECTION C: Answer any *one* question. Each carries *ten* marks.

20. Calculate Q_1 , D_5 , P_{15} , P_{56} for the following data.

Class	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99
Frequency	4	6	15	22	35	48	30	2	12	8

21. Write short notes on:

- i) Collection and organisation of data.
- ii) Primary and secondary data.

(1 x 10 = 10 Marks)