

PAPER CODE: AHS21014

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA STATE, WARANGAL – 506 002

B.Sc. (ALLIED HEALTH SCIENCES), SECOND YEAR DEGREE SUPPLEMENTARY

EXAMINATIONS: OCTOBER, 2025

AUDIOLOGY AND SPEECH THERAPY

PAPER-V

**(BASIC STATISTICS AND SCIENTIFIC ENQUIRY IN AUDIOLOGY AND SPEECH
LANGUAGE PATHOLOGY)**

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark
Color pencil.

Write essay on any TWO of the following questions:

2 X 10 = 20

1. Describe the different measures of central tendency and compare their merits.
2. Calculate Mean, Median, Mode for the following data:

Age in years	0-10	10-20	20-30	40-50	50-60	60-70	70-80
No of males	20	25	32	40	42	35	10

3. Explain about correlation and its types in detail.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Define ethics of research in behavioural sciences.
5. State the properties of Normal distribution.
6. Write briefly on methods of data collection.
7. What are the various scales of measurement?
8. Explain the meaning of type I and type II errors.
9. Distinguish between Bar diagram and Histogram.

Write briefly on the following:

10 X 3 = 30

10. Name one ethical principle in research.
11. What is a p-value?
12. Define standard deviation.
13. Types of variables.
14. What does 'statistically significant' mean?
15. What are the types of data scales?
16. Incidence and Prevalence.
17. Define statistics.
18. Standard error.
19. What is Research?
