

Question Paper

Exam Date & Time: 28-Jun-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BACHELOR OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY DEGREE EXAMINATION -
JUNE 2022

SUBJECT: BST3202 - BIostatISTICS AND RESEARCH METHODOLOGY
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Compute the mean, median, mode and inter-quartile range for the following data. (10)

Body Mass Index
24.4
26.4
24.9
25.5
22.8
29.6
31.9
28.8
31.5
26.8

(2+3+2+3 = 10 marks)

- 2A) State any five properties of an ideal measure of dispersion. (5)
- 2B) Median = _____ Quartile = _____ Percentile. (2)
- 2C) Define the three types of epidemiologic curves. (3)
- 3A) Define Pearson's Correlation and state its assumptions. (5)
- 3B) List the properties of Normal Distribution. (5)
- 3C) Define and differentiate case report and case series with an example. (5)
- 3D) Write a short note on simple random sampling and list its advantages and disadvantages. (5)
- 4A) Give two examples of a dichotomous variable. (2)
- 4B) Write any two uses of a scatter plot. (2)
- 4C) What is the difference between a bar chart and a histogram? (2)
- 4D) Write any two situations where complete enumeration is impossible. (2)
- 4E) Define prevalence and incidence. (2)

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