Rajiv Gandhi University of Health Sciences, Karnataka

II Semester Bachelors in Hospital Administration Degree Examination - 28-Nov-2023

Time: Three Hours   **Max. Marks: 80**

BIO STATISTICS (RS)
Q.P. CODE: 3234
(QP contains two pages)
Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)   **2 x 10 = 20 Marks**

1. Define statistics. Discuss characteristics of statistics

2. Define Mean. Calculate Mean for the following data

Turnaround time (Min)	15-30	30-45	45-60	60-75	75-90
No. of patients	5	13	40	22	10

3. Explain components of time series

SHORT ESSAYS (Answer any Eight)   **8 x 5 = 40 Marks**

4. Mention different types of diagram. Mention advantages of diagrams

5. How to construct histogram?

6. What is average? Mention requisites of good averages

7. Calculate median for the following data
    120, 145, 110, 107, 103, 150, 147, 126, 170, 149, 135, 140, 138 140

8. What do you mean by measures of dispersion? Mention different types of measures of dispersion

9. Calculation standard deviation and coefficient of variation for the data regarding marks of 5 students
    Marks: 50, 56, 45, 65, 70

10. Define correlation. Explain different types of correlation

11. Explain scatter diagram method of ascertaining correlation between the variables

12. What are index numbers? What are their uses and limitations?

13. What are the various types of weighted index numbers?

SHORT ANSWERS (Answer any ten)   **10 x 2 = 20 Marks**

14. Types of classification

15 Tabulation

16. Types of graph

17. Central tendency

18. Mode

19. Range and coefficient of range

20. Mean deviation

21. Quartile deviation

22. Regression

23. Price index number

24. Fisher index number

25. Mention two advantages of time series analysis

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