Rajiv Gandhi University of Health Sciences
II Semester M.H.A Degree Examination - OCT-2019

[Time: 3 Hours]   [Max. Marks: 100]

HOSPITAL ADMINISTRATION
Bio-Statistics and Quantitative Techniques
Q.P. CODE: 8716

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAY   **1 X 20 = 20 Marks**

1. Describe different methods of data collection for descriptive studies.

SHORT ESSAY (Answer any Seven)   **7 X 10 = 70 Marks**

2. Discuss the importance of sample in the research. What are the considerations for estimating sample size?
3. Define sampling. Discuss stratified random sampling method and its merits and demerits.
4. Explain the normal distribution curve and its application with an example.
5. Describe the application of bio-statistics in hospital administration.
6. Define statistical inference. Explain the steps in the testing the hypothesis procedure with an example.
7. Describe different methods of estimating variability of data.
8. Describe formulation of hypothesis in research
9. Describe correlation and regression techniques.

SHORT ANSWERS (Answer any Five)   **05 X 02 = 10 Marks**

10. Post hoc test
11. Randomization in experimental study
12. Advantages and disadvantages of graphical presentation of data
13. Type I error and Type II error
14. Standard deviation and its advantages
15. Short note on sampling variation

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