

## 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 O.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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