



Rajiv Gandhi University of Health Sciences, Karnataka

III semester Bachelors in Hospital Administration Degree Examination – APRIL-2019

Time: Three Hours

Max. Marks: 80 Marks

Biostatistics (Operations Research and Research Methodology)

Q.P. CODE: 1310

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. What is research problem? Discuss the main issues involved in formulating research problems.
2. What do you mean by sample? Explain different techniques of sampling design.
3. What is research report? Explain the steps and also the precautions to be taken while writing these reports.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Write a note on scope and application of quantitative techniques.
5. Explain briefly decision-making theory.
6. What is simulation technique? Explain its advantages and disadvantages.
7. Write a note on game theory.
8. What are the different methods of collection of data?
9. Explain briefly network analysis.
10. Describe principles of experimental designs.
11. What is interpretation of data? What is the role of Statistics in interpretation of data?
12. Explain the importance of research in healthcare.
13. What is Binomial, Poisson and Normal Probability distribution?

SHORT ANSWERS (Answer any ten)

10 x 2 = 20 Marks

14. Difference between Research v/s Research Methodology
15. What is Tabulation of Data?
16. What is Two persons Zero sum games?
17. What is pure and mixed strategy?
18. What is Stratified random sampling?
19. What are the degrees of freedom?
20. What is random sampling?
21. What is Decision-making under certainty?
22. Null hypothesis
23. Why random sampling is important in research?
24. What is Questionnaire and Schedules?
25. What is the significance of report writing?
