



Rajiv Gandhi University of Health Sciences, Karnataka

III semester Bachelors in Hospital Administration Degree Examination – April 2017

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. Describe Critical path method and PERT.
2. What is meant by Research Design? Explain any three designs.
3. Explain different methods of quantitative methods of data collection with their merits and demerits.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Calculate standard error of mean for the following data:
15,16,18,10,18,14,13,12,18,16.
5. What is Queuing Theory? What are different indicators which can be calculated from this Theory?
6. Explain the layout of a research report.
7. Describe Linear programming technique.
8. Describe differences between Census and sampling method of data collection.
9. Describe Standardised Normal Variate and its use with an example.
10. Describe different time estimates which can be calculated from critical path analysis.
11. Describe Focus group discussions method of collection of data.
12. Describe various types of research.
13. Describe prerequisite information for decision analysis.

SHORT ANSWERS (Answer any ten)

10 x 2 = 20 Marks

14. Purposive sampling
15. Secondary type of data
16. Decision trees
17. Systematic random sample
18. Objectives in research
19. Crashing the Network
20. Interview method of data collection
21. Two persons Zero sum games
22. Earliest start time in CPM
23. Randomization in experimental design
24. Adequate sample size in a survey
25. Applied research

