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Rajiv Gandhi University of Health Sciences, Karnataka**III semester Bachelors in Hospital Administration Degree Examination – Sep
2012****Time: Three Hours****Max. Marks: 80 Marks****Bio_Statistics (Operations Research & 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 different methods of data collection with their merits and demerits
2. Describe different types of sampling procedures for surveys
3. Describe the role of research in Hospital administration

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

4. Briefly describe the layout of a research report
5. Briefly describe applications of binomial distribution
6. List the steps of planning a research study
7. Briefly describe role of operation research methods in hospital management
8. Briefly describe different methods of data collection
9. Describe different methods of decision process
10. Describe steps of critical path method
11. Describe basic principles of experimental designs
12. Describe role of queuing theory in hospital management
13. Describe scientific process in research

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

14. Purposive and random sampling
15. Hypothesis in research
16. Primary and secondary data
17. Objectives of a Research study
18. Difference between CPM and PERT
19. Primary and secondary data
20. Census and sample survey
21. Slack time in Network analysis
22. Critical activities in CPM
23. Analytical process of decision
24. Standardised normal variate
25. Review of literature



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