

Rajiv Gandhi University of Health Sciences, Karnataka

**III Semester Bachelors in Hospital Administration Degree Examination - 28-
Nov-2024**

Time: Three Hours

Max. Marks: 80

RESEARCH METHODOLOGY AND OPERATION RESEARCH - (RS)

Q.P. CODE: 3238

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? Discuss different types of research
2. Explain simple random sampling technique. Mention merits and demerits of simple random sampling technique
3. Explain PERT and CPM

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Mention steps in conducting research
5. Discuss techniques involved in defining research problem
6. What is research design? Discuss components of research design
7. Discuss differences between census enumeration and sample survey
8. What is secondary data? Mention advantages and disadvantages of secondary data
9. Explain interview method of data collection
10. What do you mean by "Interpretation of data"? Explain
11. Define probability. Discuss laws of probability
12. Write a note on decision tree analysis
13. Write a note on game theory

SHORT ANSWERS (Answer any ten)

10 x 2 = 20 Marks

14. Questionnaire
15. Population
16. Primary data
17. Tabulation of data
18. Research report
19. Operation research
20. Poisson distribution
21. Decision tree
22. Network
23. Feasible solutions
24. Queue
25. LPP
