

Rajiv Gandhi University of Health Sciences, Karnataka

III Semester Bachelors in Hospital Administration Degree Examination - 26-Dec-2022

Time: Three Hours

Max. Marks: 80 Marks

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 are the objectives of research?
2. What precautions should be taken while writing a research report?
3. What is operations research? What are the different steps in undertaking operation research?

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. What are the concepts involved in experimental design.
5. What are the steps involved in writing a research report.
6. How do you process the collected data?
7. Explain Monte Carlo method.
8. What are the limitations of probability?
9. Write a note on PERT.
10. What are the different sampling methods? Explain any two types of sampling methods.
11. What is critical path method? Explain its business application.
12. What are the advantages and disadvantages of simulation technique?
13. What are the different methods of collecting quantitative data?

SHORT ANSWERS (Answer any ten)

10 x 2 = 20 Marks

14. Differentiate between sample and population.
15. What is research design?
16. Define LLP.
17. What is case study method of data collection?
18. What is a normal curve?
19. What is cost analysis?
20. Clustered sampling.
21. Errors in collection of data.
22. Baye's theory.
23. Poisson distribution.
24. Zero sum games.
25. Purposive sampling.
