Rajiv Gandhi University of Health Sciences, Karnataka

III Semester Bachelors in Hospital Administration Degree Examination - 06-Jun-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 primary and secondary data? Mention various sources and advantages of secondary data

2. Define research problem. Discuss the techniques involved in the defining the research problem

3. Explain Queuing Theory and Game Theory

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

4. What is research? Explain different types of research

5. Discuss the significance of research in hospital administration

6. Describe descriptive research design

7. What is random sampling technique? Explain stratified sampling technique

8. Explain observation method of data collection

9. Discuss the significance of report writing

10. Discuss probability and laws of probability

11. Discuss the utilities of PERT and CPM

12. Explain decision making under certainty and uncertainty

13. Explain Monte Carlo method of simulation

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

14. Literature review

15. Objectives of research

16. Hypothesis

17. Experimental and control groups

18. Cluster sampling

19. Random numbers

20. Interview method

21. LPP

22. Binomial distribution

23. What is abstract in research?

24. What is two persons zero sum games?

25. What is Baye's theorem?

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