

Rajiv Gandhi University of Health Sciences, Karnataka

I Semester M.H.A Degree Examination – 29-Oct-2025

[Time: 3 Hours]

[Max. Marks: 100]

HOSPITAL ADMINISTRATION

Research Methodology, Quantitative Techniques and Business Statistics

Paper-III - (RS-5)

Q.P. CODE: 8732

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

Answer All The Questions

10 X 10 = 100 Marks

1. What is "Research". Explain hypothesis in research.
2. Mention different types of primary data collection. Explain observation method of data collection.
3. Discuss ethical aspects of research.
4. What is "Primary and Secondary" data? Discuss the advantages and disadvantages of primary and secondary data.
5. Define "Median". Calculate median for the following data :

No of Inpatients	100-200	200-300	300-400	400-500	500-600	600-700	700-800
No of days	12	50	150	34	20	10	3

6. Write a note on "Skewness and Kurtosis".
7. Define sampling and explain about different sampling techniques.
8. In a patient satisfaction survey of 500 patients of hospital A revealed that mean patient satisfaction index was 88 with standard deviation 5. Survey of 200 patients of hospital B revealed that mean patient satisfaction index was 70 with standard deviation 10. Test whether hospital A has significantly higher patient satisfaction compare to hospital B. (table value is 1.96)
9. Discuss applications of OR (Operational Research) in hospital administration.
10. Write a note on PERT (Program Evaluation Review Technique) and CPM (Critical Path Method).

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