

Rajiv Gandhi University of Health Sciences, Karnataka

I Semester M.H.A Degree Examination – 25-Nov-2024

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 a research? Discuss the scope of research in hospital administration
2. What do you mean by qualitative and quantitative data? Explain the types of data and data collection methods
3. Discuss probability and non-probability sampling and its methods
4. What do you mean by hypothesis? Discuss inferential statistics and hypothesis testing
5. Discuss various types of normal distribution. Explain the characteristics of normal distribution
6. Define dispersion as a measure of central tendency. Calculate the standard deviation (SD) for the data given below

Age (yrs)	Number of workers
25-30	6
30-35	9
35-40	15
40-45	12
45-50	4
50-55	3
55-60	1

7. Discuss the Program Evaluation Review Technique (PERT) and the Critical Path Method (CPM) in operational management and its application in hospital administration
8. Discuss ethical aspects of research
9. Discuss about Binomial distribution and Poisson distribution
10. What is a pilot study? Discuss its significance in research

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