Rajiv Gandhi University of Health Sciences, Karnataka

I Semester M.H.A Degree Examination – 03-Nov-2026

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, labelled diagrams wherever necessary

Answer all the questions **10 X 10 = 100 Marks**

1. Give a brief account of the meaning and scope of research and discuss different types of research

2. What is literature review? Discuss the importance of the literature review in research

3. Explain different methods of data collection used in research

4. Write a note on the pilot study. Explain the importance of conducting pilot study

5. Write a note on classification and tabulation of data

6. Define standard deviation and coefficient of variance. Calculate standard deviation and coefficient of variation for the following data

Waiting time in (Minutes)	10-20	20-30	30-40	40-50	50-60	60-70
No. of patients	12	21	34	31	23	12

7. What is probability distribution in statistics? Explain the properties of binominal distribution

8. Write a note on the Critical Path Method (CPM) and the Program Evaluation and Review Technique (PERT)

9. Explain Queuing theory and its application in hospital administration

10. Write a note on the meaning and relevance of parametric and non-parametric tests

* * * * *