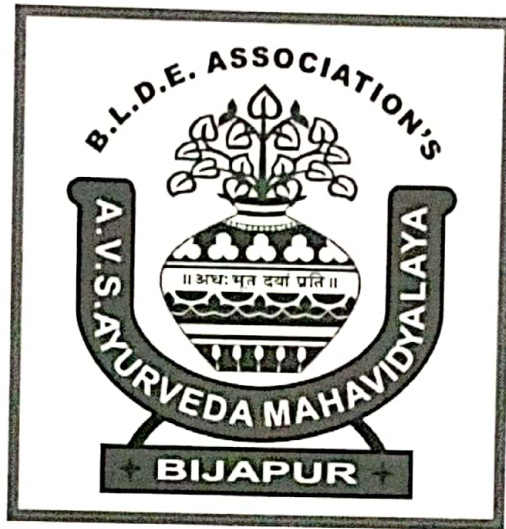


**BLDE Association's AVS Ayurveda
Mahavidyalaya, Hospital Research Centre,
Vijayapur Vidya Nagar, Bagalkot Road,
Vijayapur- 586109**

Central Library



QUESTION PAPERS

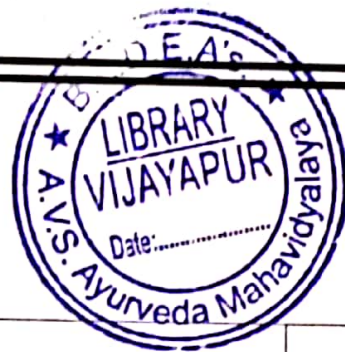
Research methodology and medical statistics

B.A.M.S 4th YEAR

2017 / 2022



INDEX



SL NO	SUBJECT CODE	TITLE OF THE PAPER	PAGE NO
01	3030(SEP)-2017	Research methodology and medical statistics (RS-4)	01
02	3030(SEP)-2018	Research methodology and medical statistics (RS-4)	02
03	3030(MAR)-2019	Research methodology and medical statistics (RS-4)	03
04	30300(6-Mar)-2020	Research methodology and medical statistics (RS-4)	04
05	3030(06-Nov)-2020	Research methodology and medical statistics (RS-4)	05
06	3030(04AUG)-2021	Research methodology and medical statistics (RS-4)	06
07	3030(01DEC)-2021	Research methodology and medical statistics (RS-4)	07
08	3098(01DEC)-2021	Research methodology and medical statistics (RS-5)	08
09	3030(22OCT)-2022	Research methodology and medical statistics (RS-4)	09
10	3098(22OCT)-2022	Research methodology and medical statistics (RS-5)	10

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.A.M.S Degree Examination - SEP-2017

Time: 90 minutes

Max. Marks: 50 Marks

Research Methodology and Medical Statistics (Revised Scheme 4)

Q.P. CODE: 3030

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

5+5+5 = 15 Marks

1. Define Research and Research Methodology. Explain basic and applied research. Give examples.

SHORT ESSAYS

5 x 5 = 25 Marks

2. Define Data. Discuss presentation of Data.
3. Discuss Research process in detail.
4. Define Variability. Explain its measurement.
5. Explain Research tools and their significance in Research.
6. Define Central Tendency. Discuss Measures of Central Tendency.

SHORT ANSWERS

5 x 2 = 10 Marks

7. Importance of Research portals
8. Statistics in Ayurveda
9. Percentile
10. Sample size
11. Statistical softwares



Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.A.M.S Degree Examination - SEPT-2018

Time: 90 minutes

Max. Marks: 50 Marks

Research Methodology and Medical Statistics (Revised Scheme 4)

Q.P. CODE: 3030

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

5+5+5 = 15 Marks

1. Define Anusandhana. Explain its scope and need in Ayurveda. Explain the importance and utility of Research in Ayurveda.

SHORT ESSAYS

5 x 5 = 25 Marks

2. Explain Parametric and Non Parametric tests.
3. Explain about importance of Literature review in Research.
4. Narrate Role of Pratyaksha pramana in research with one example.
5. Define Medical Statistics and explain methods of Collection of Data.
6. Emphasize importance of Evidence based medicine in Ayurveda.

SHORT ANSWERS

5 x 2 = 10 Marks

7. Standard deviation
8. Statistical softwares
9. Mode
10. Normal distribution
11. Percentile calculation



Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.A.M.S Degree Examination - MARCH 2019

Time: 90 minutes

Max. Marks: 50 Marks

Research Methodology and Medical Statistics (Revised Scheme 4)

Q.P. CODE: 3030

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

5+5+5 = 15 Marks

1. Define Research, its types. Explain Qualitative and Quantitative Research with suitable examples.

SHORT ESSAYS

5 x 5 = 25 Marks

2. Define Bioinformatics. Explain scope and importance in Research.
3. What do mean by DHARA? List few Research Portals with their significance.
4. Explain Statistics in Ayurveda with suitable examples.
5. Define Probability. Explain Tests of Significance.
6. Define Variability. Explain Range and Standard Deviation.

SHORT ANSWERS

5 x 2 = 10 Marks

7. Student's 't' test
8. Sample size
9. PubMed
10. Hypothesis
11. Evidences of Research in Ayurveda



Rajiv Gandhi University of Health Sciences, Karnataka
IV Year B.A.M.S Degree Examination - 06-Mar-2020

Time: 90 minutes

Max. Marks: 50 Marks

RESEARCH METHODOLOGY AND MEDICAL STATISTICS (RS-4)
Q.P. CODE: 3030

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS

1 x 10 = 10 Marks

1. Define Research Methodology, Classify, Discuss Quantitative and Qualitative Research with relevant example.

SHORT ESSAYS

6 x 5 = 30 Marks

2. Normal distribution.
3. Discuss research protocol with example.
4. Explain the importance of ethics in clinical research.
5. Concept of probability.
6. Parametric and non-parametric tests.
7. Explain the role of yukti pramana in research with example.

SHORT ANSWERS

5 x 2 = 10 Marks

8. Evidence of research in Ayurveda.
9. Graphical presentation of data.
10. Sample and population.
11. Explain mean.
12. Anusandhana.



Rajiv Gandhi University of Health Sciences, Karnataka
IV Year B.A.M.S Degree Examination - 06-Nov-2020

Time: 90 minutes

Max. Marks: 50 Marks

RESEARCH METHODOLOGY AND MEDICAL STATISTICS (RS-4)
Q.P. CODE: 3030

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS

1 x 10 = 10 Marks

1. Define Research (Anusandhana). Mention its types and synonyms. Discuss Qualitative and Quantitative Research with example.

SHORT ESSAYS

6 x 5 = 30 Marks

2. Define Probability. Explain Tests of Significance.
3. Define Data mining. Explain its importance.
4. Define Data, types. Discuss Presentation of Data.
5. Discuss Scientific Research Article Writing.
6. Define Variability. Explain Standard Deviation and Standard Error.
7. Emphasize the importance of Ethics in Research.

SHORT ANSWERS

5 x 2 = 10 Marks

8. Chaturvidha Pramana in Research
9. Population and Sampling
10. Evidences of Research in Ayurveda
11. Student's 't' test
12. Arithmetic mean

Rajiv Gandhi University of Health Sciences, Karnataka

PIV Year B.A.M.S Degree Examination - 04-Aug-2021

Time: 90 minutes

Max. Marks: 50 Marks

RESEARCH METHODOLOGY AND MEDICAL STATISTICS (RS-4)

Q.P. CODE: 3030

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS

1 x 10 = 10 Marks

1. Describe steps of research process in detail.

SHORT ESSAYS

6 x 5 = 30 Marks

2. Commonly used softwares in statistics.
3. Tests of significance.
4. Discuss historical background of Research in Ayurveda with example.
5. Define Research, explain quantitative research.
6. Presentation of data.
7. Discuss about observational and interventional studies.

SHORT ANSWERS

5 x 2 = 10 Marks

8. Median.
9. Pure and applied research.
10. DHARA.
11. Mode.
12. Research tools in Ayurveda.



Rajiv Gandhi University of Health Sciences, Karnataka
IV Year B.A.M.S Degree Examination - 01-Dec-2021

Time: 90 minutes

Max. Marks: 50 Marks

RESEARCH METHODOLOGY AND MEDICAL STATISTICS (RS-4)

Q.P. CODE: 3030

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS

1 x 10 = 10 Marks

1. Define Research (Anusandhana) and Research methodology. Discuss Research process in detail. Give an example.

SHORT ESSAYS

6 x 5 = 30 Marks

2. Explain the role of Anumana pramana in Research.
3. Explain about the Collection and Presentation of Data.
4. Emphasize the importance of Ethics in Research.
5. Write a note on (a) Average, (b) Percentile, (c) Mean, (d) Median, (e) Mode.
6. Explain about the Historical background of Research in Ayurveda with suitable examples.
7. What are parametric and non-parametric tests? Discuss any one parametric test with example.

SHORT ANSWERS

5 x 2 = 10 Marks

8. Standard error
9. Range
10. Sampling
11. Non-parametric tests
12. Types of data



Rajiv Gandhi University of Health Sciences, Karnataka
IV Year B.A.M.S Degree Examination - 01-Dec-2021

Time: 90 minutes

Max. Marks: 50 Marks

RESEARCH METHADODOLOGY AND MEDICAL STATISTICS (RS - 5)

Q.P. CODE: 3098

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

1 x 10 = 10 Marks

LONG ESSAYS

1. Define Research. Explain synonyms of Anusandhana. Discuss scope and importance of research in Ayurveda

6 x 5 = 30 Marks

SHORT ESSAYS

2. Discuss pure and applied research with example
3. Discuss research tools and their importance in clinical research
4. Define variability and explain its measures
5. Discuss research process
6. Presentation of Data
7. Discuss Parametric and Non-Parametric tests

5 x 2 = 10 Marks

SHORT ANSWERS

8. Median
9. Standard deviation
10. Pub Med
11. Percentile
12. Define Hypothesis



Rajiv Gandhi University of Health Sciences, Karnataka
IV Year B.A.M.S Degree Examination - 22-Oct-2022

Time: 90 minutes

Max. Marks: 50 Marks

RESEARCH METHODOLOGY AND MEDICAL STATISTICS (RS-4)

Q.P. CODE: 3030

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS

1 x 10 = 10 Marks

1. Briefly describe difference between null hypothesis and alternate hypothesis, enumerate in detail about applied research and literary research with suitable example.

SHORT ESSAYS

6 x 5 = 30 Marks

2. Importance of ethics in research.
3. Standard error and Range.
4. Discuss statistics in Ayurveda.
5. Concept of evidence-based medicine.
6. Collection and Presentation of data.
7. Write a brief note on pure and applied research with suitable example.

5 x 2 = 10 Marks

SHORT ANSWERS

8. Median.
9. Sample.
10. Qualitative data.
11. Pub Med.
12. Scope of research in Ayurveda.



Rajiv Gandhi University of Health Sciences, Karnataka
IV Year B.A.M.S Degree Examination - 22-Oct-2022

Time: 90 minutes

Max. Marks: 50 Marks

RESEARCH METHADODOLOGY AND MEDICAL STATISTICS (RS - 5)

Q.P. CODE: 3098

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

1 x 10 = 10 Marks

LONG ESSAYS

1. What are Observational Study designs used in medical research? Describe them stating their major advantages and disadvantages

6 x 5 = 30 Marks

SHORT ESSAYS

2. What are the different types of articles found in scientific journals? Describe IMRAD format?
3. Describe the principles of Ethics that Governs Medical Research
4. What are the important measures of Dispersion? Describe Standard Deviation
5. What are the Graphical methods of representation of Medical data?
6. What are the steps in Testing of Hypothesis?
7. What are the sampling methods used in medical research?

5 x 2 = 10 Marks

SHORT ANSWERS

8. Define Anumana with its use in Ayurvedic research
9. Databases used in Ayurvedic research
10. Define Anusandhana
11. Constitution of Institutional Ethics Committee (IEC)
12. What is Hypothesis?

