

MD/MS(Ayur)-1Y/8(S)

322091

MD/MS (AYUR) FIRST YEAR

(Research Methodology & Medical Statistics)

Time Allowed: 3 Hours

Maximum Marks: 60 + 40

Note: Use Separate Answer Sheet for each Part

Part - A

Note: Attempt all questions.

1. Write down the definition of the term Research and Anusandhan. How it is needful in the field of Ayurveda? (10)
2. Define the research problem and formulation of hypothesis. (10)
3. Write comparison between methods of research in Ayurveda Contemporary methods in health sciences. (10)

[Turn Over

4. Write short notes on the following:

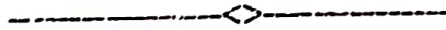
- (a) Collection of data
- (b) Dashwidha Parikshya Bhava
- (c) Randomized Controlled Trials (RCT) and their types.
- (d) Pharmacovigilance for ASU drugs.
- (e) Accession of databases
- (f) Intellectual Property Rights. (6 x 5 = 30)

Part - B

Note: Attempt all questions. Draw diagrams with pencil where necessary. Each question carries 10 marks.

1. Explain test of significance in detail with its level and power.
2. Define Biostatistics and its applications in the field of Ayurveda.

3. Explain 'Z' test and (ANOVA) test in detail with examples.
4. Write short notes on the following:
 - (a) Sampling distribution
 - (b) Chi-square test
 - (c) Karl – Pearson's Correlation Coefficient
 - (d) Mean, Median, Mode
 - (e) Types of variability.



Total No. of Questions: 4 + 4]

[Total No. of Printed Pages –3

MD/MS(Ayur)-1 Y/12(S)

234261

**MD/MS (Ayur) First Year Supplementary Examination
(Research Methodology & Medical Statistics)**

Time Allowed: 3 Hours

Maximum Marks: 60 + 40

Note: Use Separate Answer Sheet for each Part

Part – A

Note: Attempt all questions.

1. How the thesis/dissertation structure will be made as per guidelines of research? Write the stepwise approach? (10)
2. Write down the role of various pramanas and tantrayuktis in the field of research. (10)
3. Define various research designs. (10)
4. Write short notes on:
(a) Sample design

[Turn Over

- (b) Animal Ethics Committee (AEC)
- (c) Error and bias in research.
- (d) Phase of clinical studies.
- (e) HPTLC
- (f) Good Manufacturing Practices (GMP) (6 x 5 = 30)

Part – B

Note: Attempt all questions. Each question carries 10 marks.

- 1. (a) Explain Collection and Interpretation of data.
(b) Explain Probability and its laws. (5, 5)

- 2. (a) Explain measures of variability.
(b) Calculate Mode for the following data:

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100
Freq	3	5	7	10	12	15	12	6	2	8

(5, 5)

(3)

3. (a) Define Correlation.

(b) Calculate the Coefficient of correlation.

X	6	2	10	4	8
Y	9	11	5	8	7

4. (a) In a sample of 8 observations, the sum of square deviation of times from the mean was 84.4. In another sample of 10 observation, the value was found to be 102.6. Test whether the difference is significant at 5% level with [3.07] level of significance.

(b) Explain crude and specific death rate. (5, 5)

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Total No. of Questions: 3 + 5]

[Total No. of Printed Pages –2

MD/MS(Ayur) – 1Y/12(S)

234251

MD/MS (Ayur) First Year Supplementary Examination
(Kayachikitsa)

Time Allowed: 3 Hours

Maximum Marks: 50 + 50

Note: Use Separate Answer Sheet for each Part

Part – A

Note: Attempt all questions.

1. What is the importance of Roga – Rogi Pariksha including detailed history taking and systemic examination of the Patient? (20)
2. Explain the fundamental concept of Saama and Nirama Dosh, Dhatu and Mala. (20)
3. Aushadha Sevana kala and its importance. (10)

[Turn Over

(2)

Part – B

Note: Attempt four questions in all. Q. NO. 5 is compulsory.

1. Write in detail about hypertensive Encephalopathy along with its treatment. (10)
- ✓ 2. Write in detail about Manovaha srotovikara with its chikitsa siddhanta. (10)
- ✓ 3. Explain kshaya kalpana and write about phalatrikadi kshaya with its benefits in detail. (10)
- ✓ 4. Explain Myocardial infarction in detail with its emergency management. (10)
5. Write short notes on the following:
 - ✓ (a) PET Scan with its indications
 - (b) Hemagarbhapottali Rasa
 - (c) Trayodashanga Guggul
 - ✓ (d) Ryle's tube insertion. (4 x 5 = 20)

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