

M.D. (HOMEOPATHY) DEGREE EXAMINATION – OCTOBER 2013

PART I

RESEARCH METHODOLOGY & BIOSTATISTICS AND HISTORY OF MEDICINE

Q.P. CODE : 442004

Time: Three Hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Section-A: Research Methodology & Biostatistics

I. Essay question

(1x20=20)

- 1) What is data collection? Write its types & write about how data can be presented more effectively.

II. Short notes

(5x6=30)

- 1) What is statistics? Write a notes on the uses of Medical Statistics.
- 2) How research can help in the development of AYUSH systems?
- 3) Standard deviation.
- 4) Regression lines.
- 5) Levels of significance of a test.

Section- B: History of Medicine

III. Essay question

(1x20=20)

- 1) Write in detail about origin of homoeopathy. Explain its spread to India.

IV. Short notes

(5x6=30)

- 1) Avicenna
 - 2) Ayurveda
 - 3) Hippocrates
 - 4) Galen
 - 5) Monad
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M.D.(HOMOEOPATHY) DEGREE EXAMINATION

PART - I

**RESEARCH METHODOLOGY BIO-STATISTICS
AND HISTORY OF MEDICINE**

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ANSWER ALL QUESTIONS

Section – A

(Research Methodology and Biostatistics)

I. Elaborate on: (1 x 20 = 20)

1. What is sampling? What are the sampling techniques?

II. Short Notes: (5 x 6 = 30)

1. Describe the importance of literature review in research.
2. Write about types of data and how it can be presented effectively.
3. Explain the importance of the chi-square test.
4. Write a note on clinical trials.
5. Role of computers in Bio-Statistics.

Section – B

(History Of Medicine)

I. Elaborate on: (1 x 20 = 20)

1. Explain about the spread of homoeopathy in India.

II. Short Notes: (5 x 6 = 30)

1. Hufeland.
2. Write about the Indus valley civilization; Mention the contribution of Sushruta and Charaka.
3. Rene Descartes.
4. What is the scope of homoeopathy in the ever growing field of medicine?
5. Cartesian Philosophy.

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Answer all questions

**Section – A
(Research Methodology and Biostatistics)**

I. Elaborate on: **(1 x 20 = 20)**

1. What are the research methods that can be utilized in studies related to medicine?

II. Short Notes on: **(5 x 6 = 30)**

1. Standard deviation.
2. Z test with example.
3. Type I and type II error.
4. Frequency distribution tables.
5. Tests of significance.

**Section – B
(History Of Medicine)**

I. Elaborate on: **(1 x 20 = 20)**

1. How far our modern scientific era in the field of medicine is indebted to our pioneers of science and philosophy in its various advancements and achievements?

II. Short Notes on: **(5 x 6 = 30)**

1. Renaissance.
2. Contributions of Boenninghausen in homoeopathy.
3. Aristotle and the influence upon Dr. Hahnemann.
4. 19th century medicine.
5. Roman civilization.

[LJ 2004]

OCTOBER 2016

Sub.Code :2004

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Time: Three Hours

Maximum : 100 Marks

Answer all questions

Section – A

(Research Methodology and Biostatistics)

I. Elaborate on: **(1 x 20 = 20)**

1. How Philosophy and statistics were applied in the formation of the cardinal principle law of similia?

II. Short Notes on: **(5 x 6 = 30)**

1. Frequency distribution tables.
2. Tests of significance.
3. Paired t test and its application with an example.
4. Collection of data.
5. Sampling techniques.

Section – B

(History Of Medicine)

I. Elaborate on: **(1 x 20 = 20)**

1. Explain spread of homoeopathy and Government sector in India.

II. Short Notes on: **(5 x 6 = 30)**

1. Lord Bacon and the influence upon Dr. Hahnemann.
2. Contributions of Dr. Kent.
3. Logic of Homoeopathy.
4. 18th century medicine.
5. Greek civilization.

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Time: Three Hours

Maximum : 100 Marks

Answer all questions

Section – A
(Research Methodology and Biostatistics)

I. Elaborate on: **(1 x 20 = 20)**

1. Discuss the importance and significance of Biostatistics in Basic Research and applied Research programmes.

II. Short Notes on: **(5 x 6 = 30)**

1. Explain paired 't' test and its utility in Homoeopathic research.
2. Define Data. Describe the different levels of data.
3. Draw an experimental design to prove efficacy in the prophylactic effect of Homoeopathic medicine in epidemic disease.
4. What are the basic principles of graphic representation of the Data? Describe the method of preparing Bar diagram.
5. Explain prospective and Retrospective Research study.

Section – B
(History Of Medicine)

I. Elaborate on: **(1 x 20 = 20)**

1. Write about the Renaissance period of medicine. Justify that it is a Golden era of the Modern medicines with examples.

II. Short Notes on: **(5 x 6 = 30)**

1. Write in detail about Lord Bacons philosophy and its influence on the development of Homoeopathy.
2. Ayurveda and its principles.
3. Importance of Greek medicine.
4. Conversion and contribution of Dr. Kent.
5. Contribution of Dr. Hahnemann to the field of medicine before discovering Homoeopathy.

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Time: Three Hours

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Answer all questions

Section – A
(Research Methodology and Biostatistics)

I. Elaborate on: **(1 x 20 = 20)**

1. Define Bio-Statistics. Discuss its Scope and Limitations in the field of Medicine in General and Homoeopathy in Particular.

II. Short Notes on: **(5 x 6 = 30)**

1. Define Probability. Describe the different types of Calculating Probability.
2. Explain Mean, Median, Mode with examples.
3. Define Data. What are the sources of Data?
4. Explain Regression lines and its importance.
5. Classify Research Designs. Explain Cohort studies.

Section – B
(History Of Medicine)

I. Elaborate on: **(1 x 20 = 20)**

1. What are the contribution of Hahnemann to the field of Medicine in general and Homoeopathy in particular?

II. Short Notes on: **(5 x 6 = 30)**

1. What are the important developments taken place in the field of medicine during the Renaissance period?
2. Homoeopathic education in India.
3. Treatment and Philosophical concept in the medical field before Dr. Hahnemann.
4. Logic of Homoeopathy.
5. Write in detail about Bacon's philosophy.
