

M.Phil (Ayurved) Syllabus

Course Contents

1. Group A- three theory papers	
Paper I - Research Methodology & Medical Statistics	100 marks
Paper II – Moulik Siddhantaha – Part I	100 marks
Paper III – Moulik Siddhantaha – Part II	100 marks
2. Group B – Term papers & Seminars	
Assignment-3	30 marks
Seminars – 3	30 marks
3. Group C – Dissertation & Viva Voce	
Dissertation	200 marks
Viva Voce	40 marks

Grand Total- A+B+C	600 marks

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Paper 1- Research Methodology & Medical Statistics

A) Research

1. Definition
2. Research Design- steps in the Research process
3. Ethical aspects of research related to human & animal experimentation.
4. Scientific writing of a research proposal & publication skills in different disciplines for submission to funding agencies taking EMR-Ayush scheme as a model.

B) Research in Ayurved

1. Definition of the term “Anusandhan”
2. Classical methods of Research
3. Comparison between methods of Research in Ayurved (Pratigya etc.) & Contemporary methods in health sciences.
4. Different fields of research in Ayurved.
5. Need of Research in the field of Ayurved.
6. Literary Research – introduction to manuscript logy, searching method for new literature.
7. Survey (questionnaire & in depth interview) Methodology, types, utility & Analysis of Qualitative Research Methods.

c) Drug Research

1. Drug sources, Quality control & standardization
2. G. M.P. & G. L.P.
3. C.D.C.S.O. & O.E.C.D. guidelines- safety aspects
4. Introduction to latest trends in Drug Discovery & Drug Development
5. Pharmaco vigilance for ASU drugs.
6. Introduction to Bio informatics
7. Intellectual Property Rights
- 8) Clinical Research

Practical

1. Pharmaceutical Chemistry
2. Awareness of Chromatographic Techniques
3. Pharmacognosy
4. Pharmacology & Toxicology
5. Biochemistry (Clinical)
6. Clinical Pathology
7. Imaging Sciences

8. Clinical Protocol Development

Suggested Readings

1. Ayurvediya Anusandhan Paddhati – P.V. Sharma
2. Research Methodology- Prof. V. J. Thakar
3. Drug Survey- Mayaram Uniyal
4. Introduction to clinical Research- William C.- Scheffer
5. Ayurvedic Pharmacopoeia of India Part I Volume 1-8
& Part II – Volume 1 to 3 Ministry of Health & Family Welfare, New
Delhi
6. Practical Clinical Biochemistry – Harold Varley
7. Clinical Pathology, medical Laboratory Technology Vol.1 Tata
McGraw hill 1996 New Delhi ----- Kamal L. Mukharjee
8. Textbook of Radiology & Imaging vol 1, David sultan, 7th Edition 2003.
9. The art of Literary Research 4th ed. w. w. Norton, castle, Gregory -----
-----Altic & Fenstern maker
10. W.H.O. Guidelines on safety monitoring of Herbal medicines in
Pharmaco vigilance systems (2004) WHO Geneva ISBN 924 1592214
11. O.E.S.D. (2000) Guidelines document on Acute oral Toxicity,
Environmental Health & Safety Monograph series on testing &
Assessment No. 24.
12. Ghosh MN- Fundamentals of experimental Pharmacology, Scientific
Book Agency
13. Angela M. Meireles A (2009) Extracting Bio-Active compounds for
food products. Theory & applications CRC press Taylor & Francis
Group.
14. Lesk A.M. Introduction to Bio informatics oxford 2002.
15. CDSCO, good Chemical Practices for clinical Research in India
schedule Y (Amended version – 2005)
16. Ethical Guidelines for Biomedical Research on Human subjects (2000)
Indian council of Medical Research – New Delhi.

C) Medical Statistics

1. Definition of statistics
2. Collection, Classification, Presentation, Analysis & interpretation of data.
3. Scales of measurements, types of variables, types of series.
4. Measures of central tendency
5. Variability
6. Probability
7. Normal distribution
8. Fundamentals of testing of hypothesis
9. Universal analysis of categorical data
10. Parametric tests
11. Non parametric methods
12. Correlation & Regression Analysis
13. Sampling & Sample size computation for Ayurvedic Research
14. Vital statistics & Demography
15. Familiarization with the use of statistical software.

Suggested Readings:

1. Methods in Biostatistics for medical students - B. K. Mahajan.
2. Applied statistics in Health Sciences – NSN Rao & Murthy N.S. (2008) 2nd edition, Jaypee Brothers Medical Publishers

Paper II- Moulik Siddhant Part I

1. Ayurvediya Moulisiddhantaha
2. Sharirasya Moulik Siddhantaha
3. Dravyaguna – Rasashastrayoho Moulik Siddhantaha

Practical

1. Ayushaha Praman Dnyanam – Deerga-Alpa Madhyabhedam-
su.su.35 Exam of 2 persons
2. Charakokta Prashast Purush Pariksha Ch. Su. 21
Exam of 2 persons

Suggested Reading Aspects

1. Charak Samhita
2. Sushrut Samhita
3. Astang Hridaya
4. Astang Sangraha
5. Kashyapa Samhita
6. Madhav Nidan
7. Ayurved Darshan
8. Vaisheshik Darshan
9. Nyaya Darshanam
10. Patanjali Darshanam
11. Vedanta Saaraha
12. Sarva Darshan Sangraha

Details of syllabus:

1. Ayu & its components as described in samhita
2. Concept of swastha
3. Theory of Evaluation of Universe (Srushti Utpatti) its process according to Ayurved & Darshan, Lokpurush samya Siddhant.
4. Applied aspects of various fundamentals principles – Tridosha, Triguna, Purush & Atmanirupan, Shatpadartha
5. Importance of Knowledge of sharir prakriti & Manas Prakriti.
6. Introduction & Application of Nyaya (Maxims)
7. Learning & Teaching Methodology available in Samhita –Tantrayukti, Vaadmarga, Teaching of Paada, Shloka etc.
Meaning & scope of different sthana & Chatishka of Brihatrayi.

8. Importance of Ethics & Principles of ideal living as mentioned in Samhita in the present era in relation to life style disorders.
9. Samanya vishesha Siddhanta
10. Sharire Aushadha Karmani
11. Concept of Rasa, Virya, Vipak, Prabhava

Paper III – Moulisiddhanta Part II

- a. Nidan Chikitsayoho Moulisiddhant
- b. Shalya Shalakyayoho Moulisiddhant
- c. Prasuti tantra – Sri Rog- Koumar Bhritya yoho Moulisiddhant
- d. Chikitsa Vidnyanasya Aadharbhootaha Prayogik Siddhantaha.

Suggested Readings

1. Charak Samhita
2. Sushrut Samhita
3. Astang Hridaya
4. Astang Sangraha
5. Kashyap Samhita
6. Madhav Nidan
7. Ayurved Darshan

Practical

1. Charak, Astang hridayokta- According to Sadhyasadhyatva Rugna Parikshan- Exam of 2 persons (Ch.Su.10, AS. Su. 30, As. S.Su.2)
2. Rugna Pareekshan by Dashavidha Pariksha & its treatment. Exam of 2 persons.
3. Ashtang Hridayokta Charakanusar Arista Lakshananurup Exam of 2 patients.

Details of Syllabus

1. Ayurved Aushadhasya Dwividhatvam
2. Ayurvediya Chikitsyam Siddhant – rupen sarva chikitsa paddhati
Antrabhava
3. Chikitsyam Naikantavaadaha (Ch. Si. 2/24)
4. Ayurvediya Chikitsayaha Nirdoshatwam (Ast Hr.Su.13/16)
5. Chikitsa Siddhanta Sutrani (Su.Chi. 33/3) (Ast. Hr. Su. 12/6). Ch.Su.
18/46, Su.Vh. 1/25, Su.Su. 1/27, Ast. Hr. Su. 14/5, 6, Ast. Hri. Su 13/15,
Su. Su. 21/37, Ast. Hr. Su. 12/22)
6. Chikitsayaha Prakaraha
7. Chikitsayaha Lakshanam, Paryayaha
8. Arista Lakshana
9. Roganam Sadhya yapyadi Awastha
10. Dehasya –Manasasya Vyadhya-shrayatwam
11. Roganam vividham Vargikaranam
12. Roglakshanani