



(From Academic Year 2012-13 & onwards)

Syllabus for MD/MS (Ayurved) Preliminary Examination

6. AGAD TANTRA AVUM VIDHI VIDYAKA
(Toxicology & Forensic Medicine)

PAPER-II

THEORY- 100 marks

PART-A

50 marks

- 01** Introduction to Agadatantra, its sequential development, traditional and contemporary toxicology.
- 02** Examination of poisons as per contemporary and Ayurvedic methods.
- 03** Ancient and contemporary classification of Visha.
- 04** Knowledge about Sthavara visha, Jangama visha and Kritrima visha, their clinical and pathological manifestations and management.
- 05** Garavisha and Dushi visha, signs, symptoms and management with contemporary relevance.
- 06** Vishajanya Janapadodhvamsaniya Roga (community health problems due to poisons) - environmental pollution, water pollution, soil pollution, air pollution etc, their features and management according to ancient and contemporary concepts.
- 07** Concept of Viruddhahara with contemporary views.
- 08** Definition of Vyavahara Ayurveda.
- 09** Fundamentals of Vyavahara Ayurveda. Courts of law in India and legal procedures.
- 10** Chaturvinshati upakrama (24 management procedures).

PART-B

50 marks

- 01** Introduction to Forensic medicine.
- 02** Techniques of pathology, pharmacology, pharmacognosy and microbiology used in toxicology.
- 03** Death and its medico-legal aspects (Medical Thanatology), Medico-legal autopsy, Legal procedures in clinical forensic medicine.

- 04 Forensic Science Laboratory:- Structure and functions
- 05 Introduction to Medical Jurisprudence.
- 06 Laws related to medical profession. Ancient practice of medical jurisprudence in india.
- 07 Ancient and contemporary fundamentals of medical ethics.
- 08 Madya visha (Alcoholism).
- 09 Diagnosis and Management of food poisoning.
- 10 General and Emergency medical management of poisoning including preparation, administration and complications of antidotes, antivenoms, antisera.
- 11 Management of the toxic manifestations caused by the contact poisons (paduka, vastra, abhushana, mukhalepa- vishabadha etc).
- 12 Diagnosis and management of dermatological manifestations of Visha.
- 13 Death due to poisoning, duty of physician in poisoning and cases of suspected poisoning.
- 14 Post mortem findings in poisoning.

PRACTICAL

100 marks

Contents:

- 01 Clinical Postings
- 02 Case records – 20 cases (Postmortem/poisoning/dermatological/medico legal cases)

Distribution of marks (Practical)

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|----|---|------------|
| 01 | Case records (20 Cases | -20 Marks |
| 02 | Bedside clinical case taking | - 20 Marks |
| 03 | Long Case/injuries/X-rays | -20 Marks |
| 04 | Short Case / Weapon reports / bones | -10 Marks |
| 05 | Identification of specimens, models and equipments of jurisprudence importance. | -15 Marks |
| 06 | Spotting related to Visha, Upavisha and other poisonous drugs | -15 Marks |
| 07 | Viva-voce -20 marks | - 20 Marks |

Format of Question Paper

PART -A

Q. No.	Nature of Questions	Division of Marks	Total Marks
1	L.A.Q.	15x2	30 Marks
2	S.A.Q. Attempt any 4 out of 5	5x4	20 Marks
Total			50 Marks

PART-B

Q. No.	Nature of Questions	Division of Marks	Total Marks
1	L.A.Q.	15x2	30 Marks
2	S.A.Q. Attempt any 4 out of 5	5x4	20 Marks
Total			50 Marks

REFERENCE BOOKS:

- 1 Useful Portion of Charak-Sushrut-Vagbhata -
- 2 Dravyaguna Vigyan - Acharya Yadavji
- 3 Aushadhigunadharma Shastra - Pt Visvanath Dvivedi
- 4 Kriyatmat Aushada parichaya Vigyan - Pt Visvanath Dvivedi
- 5 Ayurvedic Vyadhi Vigyan - Acharya Yadavji Trikamji
- 6 Madhavanidan with Madhukosha commentary -
- 7 Sharangadhara Samhita -
- 8 Sharangadhara Samhita -
- 9 Yogaratnakara -
- 10 Aushadigunadharma Shastra - PtGangadhara Shastri Gune
- 11 Rasaratna samuchhaya -
- 12 Rasaratna samuchhaya -
- 13 Vishavigyan - Dr. Krishna Kumar
- 14 Harmekhlatantra -
- 15 Anupana manjari -
- 16 Anupana manjari -
- 17 Ayurvedprakash -
- 18 System of clinical Medicine - Savil
- 19 Forensic Pharmacy - B.M. Mhithai
- 20 Hand book of Forensic Medicine and toxicology - Dr. P.V. Chadha
- 21 Viva Forensic Medicine and toxicology - L.C. Gupta
- 22 Forensic Medicine and Ethics - J.P. Narena
- 23 Modi's Medical Jurispudence and Toxicology -
- 24 The essentials of forensic medicine and toxicology - Dr.K.S. Narayan Reddy
- 25 Medical Laws and Ethics - Dr. H.S. Mehta
- 26 M.R.K. Krishnan's Handbook of Forensic Medicine -
- 27 Text book of Medical Jurispudence and Toxicology - Dr. C.K. Parikh
- 28 Atlas of Forensic Medicine - Dr. Tomio Watenbe
- 29 Medico legal Post Mortems (Atlas) - Dr. Parikh and Others
- 30 Textbook of Forensic Medicine and Toxicology - Dr.V.V. Pillay
- 31 Textbook of Forensic Medicine and Toxicology - Dr. Karmakar
- 32 Textbook of Forensic Medicine and Toxicology - Dr. Singhal
- 33 Textbook of Forensic Medicine and Toxicology - Dr. Krishnan Vij
- 34 Forensic Pathology - Dr. Bernard Knight
- 35 Textbook of Forensic Medicine and Toxicology - Lyon's
- 36 Pocket picture guide to Forensic Medicine - Gower's Medical Publication
- 37 Forensic Medicine - Simpson Knight
- 38 Taylor's Principles and Practical of Medical Jurispudence - J and A Churchis
- 39 Doctor and Law - Singhal
- 40 Medicine Harrison's Principal of Internal Medicine -

41	Agad Tantra	Dr.Shekhar Namboodri
42	Modern Medical Toxicology	Dr. V.V.Pillay
43	Critical care toxicology	Bruent Wallace
44	Diagnosis and Management of common poisoning	Agarwal wal
45	Colour Atlas of Forensic Medicine	Govindaiah
46	Guidelines of poisons	W.H.O.
47	Doctors patients relationships	Dr.Lavekar
48	Bhavaprakasha.	
49	Vishavaidya Jyotsnika	English translation By VPSV Ayurveda college, Kottakkal.
50	Lakshnamritham	
51	Toxicology, Ayurvedic perspective	Edited By Dr Huparikar, Dr. Joglekar
52	Text book of Agadatantra	Edited By Dr Huparikar, Dr. Joglekar
53	Agadatantra ki Pathyapustaka	Edited By Dr Huparikar, Dr. Joglekar
54	Vyavahar Ayurveda Vigyanam	Dr.Indramohan Jha (Sachchan)
55	Forensic Medicine	Dr. B. Umadathan
56	Visha Chikitsa	Dr. M. Balakrishnan Nair
57	Park Text book of Preventive and Social Medicine.	K. Park
58	Environmental Science and Biotechnology - Theory and Practice	A.G. Murukesan &C. Rajakumari
59	Veterinary Toxicology	Dr. Satish K. Gargi
60	Guide to Drinking Water Quality (3 Volumes)	WHO Publication
61	A short Text Book of Medical Entomology	H.S. Bhatti, R. Sehgal, R.C. Mahajan.
