

**DETAILED SYLLABUS FOR THE POST OF ASSISTANT  
PROFESSOR IN AGADATHANTRA AND VIDHI AYURVED**

**AYURVEDA MEDICAL EDUCATION**

(Cat. No. 117/2021, 159/2021)

Module 1.

1. Agadathantra its sequential development during Veda Kala, Samhitha kala, Samgraha kala and Adhunikala, traditional and contemporary toxicology
2. Definition of visha, properties of visha and its comparison with madya and oja, visha samprapthi, visha prabhava, visha veega, veganthara, visha karmukata (toxicodynamic and toxicokinetic study). Ancient and contemporary classification of visha.
3. Descriptive and comparative study of upavisha in unison with contemporary Toxicology.
4. Examination of poisons as per Contemporary and Ayurvedic methods.
5. Descriptive study of sthavara visha, definition, adhishthana, classification, signs and symptoms of poisoning including vanaspathic (phyto poisons), khanija (mineral poisons), corrosive poisons, irritant poisons, systemic poisons and miscellaneous poisons.
6. Study of jangama visha and their sources (Animal poisoning & zoonotic diseases). Descriptive

and its pharmacological actions. Signs & symptoms of envenomation & its prognostic signs. Clinical features of Vrischika (scorpion), Lutha (spider), Gribhagadhika (lizard), Mooshik (rat), Alarka (dog), Makshika (Honey bee), Mashaka (mosquito) & Kanabha (wasp) Leech (jalooka) and their pathological manifestations including their role in the manifestation of communicable diseases. Sankavisha and its management, visha sankata sankata and visha kanya.

## Module 2

1. Gararvisha, Dushi visha, their varieties, signs & symptoms with contemporary relevance. Detailed study of allergies including allergic manifestations in the eyes, nose, lungs and skin.
2. Detailed study of madya visha including madathyaya symptoms and treatment of madathyaya substances acting on the nervous system, substance abuse including drug diagnosis, management and de-addiction.
3. Detailed study of the contemporary knowledge about vishajanya janapadho dhvamsaneeya roga, community health problems due to poisons. Environmental pollution, water pollution

soil pollution, air pollution, industrial pollution, etc. their features and management according to ancient and recent concepts.

4. Toxic manifestations and symptoms caused by contact poisons (<sup>visha badha</sup> <sup>off</sup> paduka, vasthra, abharana, mukhalepa, abhyanga thaila etc visha badha)
5. Concept of virudha aahara, aahara visha (food poisoning) and satmya-asatmyatha in contemporary and Ayurvedic views.
6. Conceptual study of drug interactions, drug incompatibility and pharmacovigilance.
7. Techniques of pathology, pharmacology, pharmacognosy and microbiology used in toxicology.

### Modules 3.

1. Fundamental principles for treatment of poisoning
2. General and specific treatment of different types of sthavara visha corrosives, irritants systemic and miscellaneous poisons.
3. General and specific treatment of different types of jangama visha (animal poisons - insects & snakes) and other zoonotic diseases.

4. Emergency medical management of poisoning including preparation, administration and complications of antivenoms/antiserum/antidotes.
5. Chaturvimsathi upakrama (24 treatment modalities for snake bite)
6. Management of gara visha and dushi visha. Treatment of allergies including allergic manifestations in the eyes, nose, lungs and skin.

#### Module 4

1. Diagnosis and management of drug induced toxicity.
2. Management of the toxic manifestations caused by the contact poisons (vishabadha of paduka, vasthra, malya, abharana, mukhalepa etc)
3. Management of food poisoning.
4. Diagnosis and management of dermatological manifestations of visha.

5. Death due to poisoning. Duty of physician in poisoning & in suspected cases of poisoning. Post mortem findings in poisoning.
6. Extra corporeal techniques (dialysis etc) for removal of poisons.

### Module 5.

1. Definition of Vyavahara Ayurveda, its evolution in ancient and contemporary periods & fundamentals of Vyavahara Ayurveda.
2. Introduction to forensic medicine.
3. Personal identity and its medico legal aspects.
4. Death and its medico legal aspects (Medical Thanatology). Legal procedures in clinical forensic medicine.
5. Asphyxial deaths and its medico legal importance.
6. Death due to starvation, heat and cold, lightning and electricity. Suspended animation.
7. Medico legal autopsy.

## Module - 6.

1. Injuries due to explosions, chemical and nuclear warfare.
2. Medico legal aspects of injuries and wounds.
3. Impotence and sterility - its medico legal aspects. Regulations of Artificial Insemination, Medicolegal aspects of surrogate motherhood.
4. Sexual offences and perversions.
5. Medico legal aspects of virginity, pregnancy, delivery, abortion, infanticide and legitimacy with related acts.
6. Indian penal code, Criminal procedure code and study of related acts like Indian Evidence Act, Pre Natal Diagnostic Test Act, Nursing Home Act, Human Organ Transplantation Act, Drugs and Cosmetic Act 1940, Narcotic drugs and Psychotropic substances Act 1985, Pharmacy Act 1948, Drugs and Magical Remedies (Objectionable Advertisements) Act 1954, Medicinal and Toilet preparations Act 1955 and Anatomy Act etc. Any related act enacted by the government from time to time

## Courts and legal procedures.

### Module 7

1. Forensic science laboratory
2. Medico legal aspects of mental illness.
3. Introduction to Medical Jurisprudence.
4. Laws related to medical profession. Ancient practice of medical jurisprudence in India.
5. Contemporary fundamentals of medical ethics.
6. Duties and privileges of physician.
7. Structure of Central Council of Indian Medicine, its jurisdiction and functions. Code and Conducts as per the CCIM, Rules and regulations there under.

### Module 8.

1. Respective State Council of Indian Medicine, its structure, power and voluntary duties.
2. Doctor patient relationship

3. Rights and privileges of patients, Euthanasia
4. Professional secrecy and privileged communication
5. Professional negligence and malpractice.
6. ~~Ed~~ Indemnity Insurance scheme.
7. Consumer Protection Act related to Medical Practice
8. Ethics in classics - Types of physician and methods of identification, Pranabhisara and Rogabhisara physicians, qualities of physician responsibilities of physician, Chaturvidha vaidya vrithi duties of physician towards patients, vaidya sadvritham, Apujya vaidya who is accepting fees, relationship with females.

### Module 9

1. Study of process of sodhana, maarana, and samskara of poisonous drugs.
2. Pharmacodynamics of different formulations used in Agadathantra.
3. Study of pharmacology and usage of anti dotes as per Ayurvedic and contemporary



Fundamentals of pharmaceuticals according to Ayurvedic & contemporary point of view.

5. Chemical, analytical and laboratory examination of poisons & suspicious substance.

6. Introduction of different instruments/equipments used in the examination of poisons.

7. Introduction to clinical toxicology.

### Module 10.

1. Introduction to experimental toxicology.

2. Introduction to toxicogenomics.

3. Survey & study of the traditional and folklore vishachikitsa sampradaya.

4. Familiarity to the following formulation.

Kosathakyadi gavagu, Chandrodaya Agada,  
Dushivishari Agada, Moovadi choornam,  
Panchavalkadi Agada, Vilwadi Agada, ~~Daso~~  
Dasanga Agada, Siroesha beejadi guliba,  
Padmaka Agada, Lodhra sevyadi Agada,

Kshara Agada Ajeya Agada Ajitha Agada:  
 Sarvakarmaka Agada, Kalyanaka ghritham,  
 Paranthyadi thailam, Pankthi Prasoonadi  
 ghritham, Neeli karanjadi Agadam, Neelidaladi  
 ghritham, Hinguadi gulika, Tharanta  
 Tharuna bhaskara gulika Mrithyunjaya  
 gulika Nabhinivishadi gulika, Gnasudanjanam  
 Dasabeeja anjanam, Teeva raksha gulika  
 Sigrupuharnavadi leham, Vishahari leham.

**NOTE:** - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper