

**DETAILED SYLLABUS FOR THE POST MEDICAL OFFICER (VISHA) IN INDIAN
SYSTEMS OF MEDICINE) - DIRECT RECRUITMENT**

(Cat.No: 030/2023)

MODULE I (10 Marks)

1. Agadathantra, its sequential development during Veda kaala, Samhitha kaala, Samgraha kaala & Adhunika kaala
2. Examination of poisons as per contemporary & Ayurvedic methods
3. Ancient & contemporary classification of visha
4. Definition of visha, properties of visha & its comparison with madya and ojus, visha samprapthi, visha prabhava, visha vega, veganthara & visha karmukatha (Toxicodynamic & toxicokinetic study)
5. Descriptive & comparative study of upavisha in unison with Contemporary toxicology
6. Descriptive study of sthavara visha, definition, classification, classical signs & symptoms of poisoning including vanaspathic (phyto poison), khanija (mineral) and compound sthavara visha
7. Toxic manifestations caused by the contact poisons (paduka, vasthra, abharana, mukhalepa - vishabadha)

MODULE II (10 Marks)

1. Study of jangama visha & their sources (Animal poisoning & zoonotic diseases), Descriptive study of snakes according to ancient & contemporary knowledge. Causes of snake bite & its types. Composition of snake venom & its pharmacological actions. Signs & symptoms of envenomation & its prognostic signs. Clinical features of vrischika (scorpion), Lutha (spider) Grihagodhika (Lizard), Mushika (rats), Al arka (dogs), makshika and mashaka (mosquitoes) & their pathologic manifestations including their role in the manifestation of

communicable diseases. Shanka visha & its management. Visha sankat & vishakanya

2. Garavisha & dooshivisha, their varieties, signs, symptoms & management with contemporary relevance. Detailed study of allergies including allergic manifestations in the eyes, nose, lungs & skin
3. Concept of virudhahara, ahara visha & sathmyasathmyatha in contemporary and Ayurvedic concepts and diagnosis of food poisoning
4. Detailed study of the contemporary knowledge about vishajanya janapadhodhwamsaneeya roga, community health problems due to poisons- Environmental pollution, water pollution, air pollution, industrial pollutions etc. their features & management according to ancient & recent concepts
5. Detailed study of madya visha and substances acting on the nervous system, substance abuse (Diagnosis, management & de-addiction)
6. Conceptual study- drug interactions and incompatibility, pharmacovigilance
7. Diagnosis of dermatological manifestation of visha
8. Diagnosis of drug induced toxicity

MODULE III (10 Marks)

1. Definition of vyavaharayurveda, its evolution in ancient & contemporary periods
2. Introduction to forensic medicine
3. Death & its medicolegal aspects (Medical thanatology)
4. Asphyxial death & its medico-legal importance
5. Death due to starvation, heat and cold, lightning & electricity, Suspended animation
6. Medicolegal autopsy

MODULE IV (10 Marks)

1. Personal identity & its medicolegal aspects
2. Injuries due to explosion, chemical & nuclear warfare
3. Medico legal aspects of injuries & wounds
4. Impotence, sterility, its medico legal aspects. Regulations of artificial insemination, medico legal aspects of surrogate motherhood
5. Sexual offences & perversions
6. Medico legal aspects of virginity, pregnancy, delivery, abortion, infanticide & legitimacy with related acts
7. Medico legal aspects of mental illness

MODULE V (10 Marks)

1. Forensic science laboratory - structure & functions
2. Structure of Central council of Indian medicine, its jurisdiction & functions. Code and conducts as per CCIM, Rules and regulations there under
3. Respective State council of Indian Medicine, its structure, power, voluntary duties

MODULE VI (10 Marks)

1. Introduction to medical jurisprudence
2. Laws related to medical profession. Ancient practice of medical jurisprudence in India
3. Courts & legal procedures
4. Legal procedures in clinical forensic medicine
5. Indian penal code, criminal procedure code and study of related acts like Indian evidence act, Pre natal diagnostic test act, Human organ transplantation act, drugs & cosmetic Act 1940, Narcotic drugs psychotropic substances Act 1985, Pharmacy Act 1948, Drugs & Magical

Remedies (Objectionable Advertisements) Act 1954, Medicinal & Toilet preparations act 1955 & Anatomy Act etc, Any related act enacted by the government from time to time

MODULE VII (!0 Marks)

1. Rights & privileges of patients, euthanasia
2. Professional secrecy & privileged communication
3. Professional negligence & malpractice
4. Indemnity insurance scheme
5. Consumer protection Act related to medical practice
6. Duties & privileges of physician
7. Doctor -patient relationship
8. Ethics in classics, Types of physicians & methods of identification, pranabhisara & rogabhisara physician, responsibilities of physicians, chaturvidha vaidyavriti, duties of physician towards patients, vaidya sadvritham, apujya vaidya, relationship with females

MODULE VIII (10 Marks)

1. Fundamental principles of treatment of poisoning
2. General & specific treatment of different types of sthava
visha
3. General & specific treatment of different types of jangamavisha (animal poisons, insect poisons, snake bites & other zoonotic diseases)
4. Emergency medical management of poisoning including preparation, administration & complications of antivenom/antiserum
5. Chaturvimsathi upakrama
6. Management of gara visha & dooshi visha

MODULE IX (10 Marks)

1. Treatment of allergies including allergic manifestations in the eyes, nose & dermatological manifestation of visha
2. Management of drug induced toxicity
3. Management of toxic manifestations caused by the contact poisons (paduka, vasthra, abharana, mukhalepa - vishabadha)
4. Management of food poisoning
5. Death due to poisoning, duty of physician in poisoning, in cases of suspected poisoning & post mortem findings in poisoning
6. Extra corporeal techniques for removal of poisons

MODULE X (10 Marks)

1. Sodhana, marana & samskara of poisonous drugs
2. Pharmacodynamics of different formulations used in Agadathantra
3. Pharmacology & usage of antidotes as per Ayurvedic & contemporary point of view
4. Fundamentals of pharmaceuticals according to Ayurvedic & contemporary point of view
5. Techniques of pathology, pharmacology, pharmacognosy & microbiology used in toxicology
6. Chemical, analytical, laboratory examination of poisons & suspicious substance
7. Introduction of different instruments / equipments used in examination of poisons
8. Introduction to experimental toxicology, clinical toxicology & toxicogenomics
9. Folklore visha chikitsa sampradaya

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.