

**DETAILED SYLLABUS FOR THE POST OF ASSOCIATE PROFESSOR
(FORENSIC MEDICINE AND TOXICOLOGY) {GOVERNMENT HOMOEOPATHIC
MEDICAL COLLEGES}**

(Cat.No. : 169/2023)

(Total Marks - 100)

I. Introduction (1 mark)

- a) Definition of Forensic Medicine
- b) History of Forensic Medicine in India

II. Medical Law and Ethics (15 marks)

- a) National Medical Council
- b) State Medical Council
- c) Professional secrecy
- d) Privileged communication
- e) Professional Negligence
- f) Consent
- g) Medical Records
- h) Duties of registered medical practitioners in medicolegal cases.

III. Personal Identification (5 marks)

- a) Determination of age, sex, race and religion in living and dead.
- b) Dactylography, DNA fingerprinting, Foot prints
- c) Medicolegal importance of bone, scars, teeth, tattoo marks and anthropometry.
- d) Examination of hair and biological stains.

IV. Death and its medicolegal importance (15 marks)

- a) Death and its types, and their medicolegal importance
- b) Signs of death- (i) immediate (ii) early (iii)late and its medicolegal significance.
- c) Asphyxial deaths – mechanical asphyxia and drowning
- d) Death from starvation, cold and heat.

V. Injury and its medicolegal significance – (15 marks)

- a) Mechanical injuries- abrasion, contusion, laceration and incised wounds.
- b) Thermal injuries
- c) Transportation and traffic injuries
- d) Firearm injuries.

VI. Forensic Psychiatry (5 marks)

- a) Definition of delusion, hallucination, illusion and delirium, impulse, mania and classification of mental illness.
- b) Development of mental illness, diagnosis and admission to psychiatric hospital.

VII. Post mortem examination (5 marks)

- a) Purpose, procedure and legal bindings. Difference between medicolegal and pathological autopsy.
- b) External and Internal examination of adult, foetus and skeletal remains.

VIII. Impotence and Sterility. (2 marks)

a) Impotence, sterility, sterilisation and artificial insemination.

IX. Virginity, Defloration, Pregnancy and Delivery (3 marks)

X. Abortion and Infanticide (3 marks)

a) Abortion – different methods, MTP, complications of criminal abortion.

b) Infant death- definition, battered baby syndrome, cot death and legitimacy.

XI. Sexual offences (5 marks)

a) Rape, Incest, sodomy, sadism, masochism, tribadism, bestiality, buccal coitus and other sexual perversions.

TOXICOLOGY

I. General Toxicology (3 marks)

a) Diagnosis of poisoning in living and dead

b) General principles of management of poisoning.

c) Medicolegal aspect of poisons.

d) Antidote and its different types.

II. Clinical Toxicology (19 marks)

a) Types of poisons- classification – (1 mark)

b) Corrosive poisons. (Mineral acids, caustic alkali, organic acids) – (1 mark)

- c) Irritant poisons – (2 marks)
Organic and inorganic
- d) Heavy metals (3 marks)
Arsenic, Mercury, Lead, Copper, thallium.
- e) Asphyxiants (2 marks)
Carbon monoxide, carbon dioxide, Hydrogen Sulphide and war gases.
- f) CNS depressants (2 marks)
Alcohol and opium
- g) Hallucinogen – LSD (1 mark)
- h) Deliriant – Datura, Cannabis (2 marks)
- i) Spinal poisons – curare, conium, strychnine. (1 mark)
- j) Cardiac poisons (2 marks)
Digitalis, Oleander, Aconite and Nicotine
- k) Miscellaneous poisons (2 marks)
Analgesics, antipyretics, antihistamines, tranquilizers and anti-depressants.

LEGISLATION RELATING TO MEDICAL PROTECTION (2 marks)

- a) Homeopathy Central Council Act 1973 (1 mark)
- b) Consumer Protection Act 1986 (1 mark)

OTHERS (2 marks)

- a) Workmens compensation Act 1923.
- b) ESI ACT 1948.

- c) MTP ACT 1971.
- d) Mental Health Act 1987.
- e) Indian Evidence Act 1872
- f) Prohibition of child marriage act 2006
- g) Personal Injuries Act 1963
- h) Drugs and Cosmetic Act 1940
- i) Drugs and Magic Remedies Act 1954
- j) Transplantation of Human Organs Act 1994
- k) PNDT Act 1994
- l) The Homeopathic Practitioners Regulations 1982
- m) Drug Control Act 1950
- n) Medicine and Toiletry Preparations Act 1955
- o) IPC and CRPC
- p) Pension and Disabilities Act 1955
- q) Clinical establishment Act 2010.

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.

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