

Agad Tantra and Vavahara Ayurveda

Sl.No	Unit .NO.	TOPIC	DOMAIN	TIME IN HOURS
1	1	UNIT-I		
	1.1	Derivation, definition of Visha and Agadatantra. Scope of Agadatantra, VishaUtpatti, VishaPrabhava, Visha, PranaharanaKriya, VishaGuna, VishaGati, Visha Vega, VishaSankata, Shankavisha	Must know	10 Hrs
	1.2	Definition of toxicology, Definition of poison, Suicidal and homicidal poisons.		
	1.3	Classification of poisons, their action, Route of administration, Absorption, Excretion, Metabolism		
	1.4	Diagnosis and general principles of treatment, Duties of a medical practitioner in case of suspected poisoning		
2	2	UNIT 2		
	2.1	Origin and Classification of Visha:-Its sources, Difference between Visha, Madya and Ojaguna, VishaUpadrava and VishaMuktaLakshana.	Nice to know	9 hours
	2.2	Tests for detection of Visha, Modern Toxicological Techniques of detection of poisons, Visha Data Lakshana, VishaPeetaLakshana, Signs and symptoms of Visha afflicted organs and personal effects. (Poisoning with Anjana, Lepapaduka, Abharana		
3	3	UNIT 3		
	3.1	Introduction to Environmental Toxicology	Nice to know	03 hours
	3.2	SamuhikaVishaprayoga, Effect of chemical and nuclear warfare		
4	4	UNIT 4		
	4.1	Vishopakrama described by Charak General principles of Management of poisoning	Must know	07 hours
5	5	UNIT 5		
	5.1	Manifestation of poisoning due to poisons of plant origin their fatal Dose, fatal period, Post mortem appearance and its medico legal importance- Visha and Upavisha- Arka, Snuhi, Langali, Karaveera, Gunja, Ahiphena, Dhattura, Bhallataka, Vatsanabha, Kupeelu, Jayapala, Bhanga, Tobacco, Partheniumhysteriphorus, Digitalis and Cerebra Odallam.	Must know	24 hours
6	6	UNIT 6		
	6.1	Garavisha, Dooshivisha, Viruddhahara, Food adulteration	Must know	07 hours

	6.2	Poisoning—classification, diagnosis, management and contemporary significance.		
7	7	UNIT 7		
	7.1	JangamaVisha – Detailed study of Sarpa, Keeta , Loota, Vrischika,Mooshika, Alarka – Visha; Lakshana, Bheda, chikitsa and their sadhyaasadyata (contemporary and classical views)	Must know	06 hours
8	8	UNIT 8		
	8.1	Introduction to poisoning due to Acids, Alkalis, Asphyxiants- Fatal dose, fatal period ,manifestation, management, medico legal importance and postmortem appearance of - Sulphuric acid ,Hydrochloric acid ,Nitric acid, Hydrocyanic acid , Oxalic acid, Carbolic acid , Formic acid, Alkalis in general	Must know	14 hours
	8.2	Asphyxiants – carbon monoxide ,carbon dioxide, hydrogen sulphide		
9	9	UNIT 9		
	9.1	Fatal dose, fatal period ,manifestation, management, medico legal importance and postmortem appearance OF-	Must know	14 hours
	9.2	Non metallic poisons – phosphorous, Iodine		
	9.3	Metallic poisons – Arsenic ,Mercury, Lead Copper, Zinc ,Lead		
	9.4	Other- Petroleum ,kerosene phosphorus compounds,Aluminium phosphate ,Organo chlorinated compounds ,Household poisons		
10	10	UNIT 10		
	10.1	Madya and madatyay, Alcohol poisoning (ethanol and menthol)	Desirable to Know	06 hours
	10.2	Introduction to Narcotic drugs, Psychotropic substances		

Vyavahar Ayurveda			
11	UNIT-I		
	Definition of Vyavahara Ayurveda (Forensic medicine) and Vidhivaidyaka (Medical jurisprudence), concise history of Vyavahara Ayurveda (Forensic medicine) and Vidhivaidyaka (Medical jurisprudence).	Desirable to Know	10 hours
	Introduction to Indian Penal Code, Indian Evidence Act and Criminal Procedure Code, Legal Procedures:- Inquest, Evidence, Witness Courts and their powers.		
12	UNIT- 2		
	Personal identity and its Medico legal aspects	Must know	12 hours
	Forensic odontology		
	Introduction to Forensic Serology		
DNA profiling			
13	UNIT-3		
	Death and its Medico Legal Aspects	Must know	10 hours
	Medico legal autopsy		
Exhumation			
14	UNIT-4		
	Injuries and thermal injuries, their medico Legal aspects	Must know	06 hours
General introduction of weapons.			
15	UNIT- 5		
	Dowry deaths (Domestic Violence) Medico Legal importance of dowry laws in relation to dowry	Must know	06 hours
16	UNIT-6		
	Asphyxial death and its Medico Legal importance	Must know	08 hours
17	UNIT- 7		

	Medico Legal importance of Pregnancy, Delivery , Impotence , Sterility , Abortion, Infanticide , Battered baby, Virginity ,Artificial Insemination, Legitimacy	Must know	20 hours
18	UNIT- 8		
	Sexual offences, and their Medico Legal aspects Sexual perversions	Desirable to Know	03 hours
19	UNIT- 9		
	Introduction to Forensic psychiatry	Nice to know	08 hours
Introduction to forensic laboratory			
20	UNIT- 10		
	Ethics as in classical Texts. Types of Vaidya, Pranabhisara and Rogabhisara Vaidya, Qualities of Vaidya, Responsibilities of Vaidya, ChaturvidhaVaidyavrutti, Duties of Vaidya to his patient, Vaidya Sadvrittam, Apujya Vaidya, Vaidya Sadvrittam, Apujya Vaidya	Must know	06 hours
	Code of conduct-Laws in relation to Medical practitioners		
Indian Medicine Central Council Act.			
21	UNIT- 11		
	Maintenance of medical record	Must know	11 hours
	Physician's responsibility in criminal matters, Professional negligence, Civil negligence, Criminal negligence		
	Medico Legal aspects of Acquired Immune Deficiency Syndrome		
	Rights of an unborn child		
	Medical Termination of Pregnancy Act Transplantation of human organs Bill 1994. Pre Natal Diagnostic Testing Act, Malingering of feigned diseases		
	International Code of Medical Ethics for Doctors		
Clinical establishment Act, Consumer Protection Act 1986.			

CURRICULUM PLANNING

SI No	TOPICS	Learning objectives(At the end of session student should be able to)	Teaching guidelines	methodology	Time (hours)
1.	<p>UNIT- 1</p> <p>1.1 Derivation, definition of Visha and Agadatantra. Scope of Agadatantra,VishaUtpatti, VishaPrabhava,Visha,PranaharanaKriya,VishaGuna, VishaGati, Visha Vega, VishaSankata,Shankavisha</p> <p>1.2 Definition of toxicology, Definition of poison, Suicidal and homicidal poisons.</p> <p>1.3 Classification of poisons, their action, Route of administration, Absorption, Excretion, Metabolism</p> <p>1.4 Diagnosis and general principles of treatment, Duties of a medical practitioner in case of suspected poisoning</p>	<p>Discuss definition of Agadatantra, classification of poisons, its action, absorption, metabolism, excretion.</p> <p>Discuss about diagnosis and general treatment of poison and duties of medical practitioner in case of suspected poison.</p>	<p>To cover types of poisons, their action on body, their metabolism, treatment and duty of a doctor in case of medico legal cases</p>	<p>Instructive PPT OHP Group discussion Poster presentation</p>	10 Hrs
2	<p>UNIT-2</p> <p>2.1 Origin and Classification of Visha:-Its sources, Difference between Visha, Madya and Ojaguna, VishaUpadrava and VishaMuktaLakshana.</p> <p>2.2 Tests for detection of Visha, Modern Toxicological Techniques of detection of poisons ,Visha Data Lakshana, VishaPeetaLakshana, Signs and symptoms of Visha afflicted organs and personal effects. (Poisoning with Anjana, Lepapaduka, Abharana</p>	<p>Explain effect of visha and madya on oja,.</p> <p>Explain how to detect the poison and sign and symptoms of poisoning.</p> <p>Explain clinical features of visha afflicted organs.</p>	<p>Ayurvedic concept of visha and madya on ojadhatu, complications of poisons and ayu. And modern concept of detection of poisons.</p>	<p>Instructive PPT OHP Group discussion Poster presentation</p>	9 hours
3	<p>UNIT-3</p> <p>3.1 Introduction to Environmental Toxicology</p> <p>3.2 SamuhikaVishaprayoga, Effect of chemical and nuclear warfare</p>	<p>Enumerate about toxic effect of poisons on environment.</p>	<p>To cover toxic effect of poisons on soil, air and</p>	<p>Instructive OHP Ppt Group discussion</p>	03 hours

4	<p>UNIT-4</p> <p>4.1 Vishopakrama described by Charak General principles of Management of poisoning</p>	<p>Discuss about general treatment of poisons according ayurveda and modern medicine.</p>	<p>water.</p> <p>To cover management of poisons as per ayurvedic concept and modern.</p>	<p>Instructive OHP Ppt Case presentation Workshop</p>	<p>07 hours</p>
5	<p>UNIT-5</p> <p>5.1 Manifestation of poisoning due to poisons of plant origin their fatal Dose, fatal period, Post mortem appearance and its medico legal importance- Visha and Upavisha- Arka, Snuhi, Langali, Karaveera ,Gunja, Ahiphena, Dhattura, Bhallataka, Vatsanabha, Kupeelu, Jayapala, Bhanga, Tobacco, Partheniumhysteriphorus, Digitalis and Cerebra Odallam.</p>	<p>Enumerate clinical features, fatal dose, fatal period, treatment (ayurvedic and allopathic), autopsy findings of different poisonous plants.</p>	<p>To cover sign and symptom fatal dose, treatment, medicolegal concept of plant origin poisons as cardiac, irritant, neurotic poisons.</p>	<p>Instructive OHP Ppt Case presentation Group discussion Student seminar Visit (herbal garden)</p>	<p>24 hours</p>
6	<p>UNIT-6</p> <p>6.1 Garavisha, Dooshivisha, Viruddhahara, Food adulteration</p> <p>6.2 Poisoning–classification, diagnosis, management and contemporary significance.</p>	<p>Discuss about cumulative poison, food poisoning and detail study about the diagnosis, management .</p>	<p>To cover source and treatment of garvisha, dushivisha and food poisoning .</p>	<p>Instructive OHP Ppt Poster presentation Student seminar</p>	<p>07 hours</p>
7	<p>UNIT-7</p> <p>7.1 JangamaVisha – Detailed study of Sarpa, Keeta , Loota, Vrischika,Mooshika, Alarka – Visha; Lakshana, Bheda, chikitsa and their sadhyaasadhyata (contemporary and classical views)</p>	<p>Deep study about the animal poison as snake bite, scorpion, rabbiesetc</p>	<p>To cover the types of snakes, their poisonous effect, types of snake bite and treatment</p>	<p>Instructive OHP Ppt Case presentation</p>	<p>06 hours</p>
8	<p>UNIT-8</p> <p>8.1 Introduction to poisoning due to Acids, Alkalis, Asphyxiants- Fatal dose, fatal period ,manifestation, management, medico legal importance and postmortem appearance of - Sulphuric acid ,Hydrochloric acid ,Nitric acid, Hydrocyanic acid , Oxalic acid, Carbolic acid , Formic acid, Alkalis in</p>	<p>Explain about clinical features, treatment and medico legal importance of corrosive poisons, asphyxiants .</p>	<p>To cover the definition of Vitriolage, medicolegal importance and clinical features,</p>	<p>Instructive OHP Ppt Case presentation Group discussion Student seminar</p>	<p>14 hours</p>

9	<p>general</p> <p>8.2 Asphyxiants – carbon monoxide ,carbon dioxide, hydrogen sulphide</p> <p>UNIT-9</p> <p>Fatal dose, fatal period ,manifestation, management, medico legal importance and postmortem appearance OF-</p> <p>9.1 Non metallic poisons– phosphorous, Iodine</p> <p>9.2 Metallic poisons – Arsenic ,Mercury, Lead Copper, Zinc ,Lead</p> <p>9.3 Other- Petroleum ,kerosene phosphorus compounds,Aluminium phosphate ,Organo chlorinated compounds ,Household poisons</p>	<p>Detail discussion about clinical features, management, post mortem appearance of non metallic, metallic, household poisons</p>	<p>treatment of Corrosive poison.</p> <p>To cover the clinical features, fatal dose, fatal period, treatment of metallic, non metallic and other poisons.</p>	<p>Instructive OHP Ppt Case presentation Group discussion Student seminar</p>	<p>14 hours</p>
10	<p>UNIT-10</p> <p>10.1 Madya and madatyay, Alcohol poisoning (ethanol and menthol)</p> <p>10.2 Introduction to Narcotic drugs, Psychotropic substances</p>	<p>Discussion about clinical features of alcoholic poisoning, narcotic and psychotropic substance.</p>	<p>To cover the effect of chronic alcoholism, methanol, ethanol, narcotic and psychotropic drugs and their treatment.</p>	<p>Instructive OHP Ppt Case presentation Group discussion Student seminar</p>	<p>06 hours</p>
11	<p>UNIT-1</p> <p>1.1 Definition of Vyavahara Ayurveda (Forensic medicine) and Vidhivaidyaka (Medical jurisprudence), concise history of Vyavahara Ayurveda (Forensic medicine) and Vidhivaidyaka (Medical jurisprudence).</p> <p>1.2 Introduction to Indian Penal Code, Indian Evidence Act and</p>	<p>Discuss about introduction of Vyavahara Ayurveda (Forensic medicine) and Vidhivaidyaka (Medical jurisprudence)</p> <p>Discuss about proceeding of criminal courts in India.</p>	<p>To cover the knowledge of Vyavaharayurveda and Vidhivaidyaka.</p> <p>To know</p>	<p>Instructive Ppt OHP Visit(court) Group discussion</p> <p>Instructive Ppt</p>	<p>10 hours</p>

12	<p>Criminal Procedure Code, Legal Procedures:- Inquest, Evidence, Witness</p> <p>1.3 Courts and their powers.</p> <p>UNIT-2</p> <p>2.1 Personal identity and its Medico legal aspects, Forensic odontology</p> <p>2.2 Introduction to Forensic Serology, DNA profiling</p>	<p>Discuss about identification of person, its medico legal importance , forensic serology.</p>	<p>about the court procedure and duty of a medical practitioner regarding court matters.</p> <p>To cover a identity of a person for medico legal purpose on the basis of race, religion ,age ,sex, dactylography , odontology , DNA profiling.</p>	<p>OHP Group discussion Poster presentation</p> <p>Instructive Ppt OHP Group discussion Visit (mortuary)</p>	<p>12 hours</p>
13	<p>UNIT-3</p> <p>3.1 Death and its Medico Legal Aspects</p> <p>3.2 Medico legal autopsy, Exhumation.</p>	<p>Discuss about mode of death, post mortem findings and its medico legal importance.</p>	<p>To know about the cause of death through post mortem, duty of a medical practitioner regarding autopsy, autopsy findings on different organs, rules regarding exhumation.</p>	<p>Instructive Ppt OHP Group discussion Poster presentation</p>	<p>10 hours</p>
14	<p>UNIT-4</p> <p>4.1 Injuries and thermal injuries, their medico Legal aspects</p> <p>4.2 General introduction of weapons.</p>	<p>Deep study about injuries and its medico legal importance.</p>	<p>To cover the general idea of weapons, type of injuries ,their features and medico legal importance.</p>	<p>Instructive Ppt OHP Student seminar</p>	<p>06 hours</p>
15	<p>UNIT-5</p> <p>5.1 Dowry deaths (Domestic Violence) Medico Legal importance of dowry laws in relation to dowry.</p>	<p>Explain Dowry death and its</p>	<p>To know</p>	<p>Instructive Ppt OHP</p>	<p>06 hours</p>

16	<p>UNIT-6</p> <p>6.1 Asphyxial death and its Medico Legal importance</p>	<p>medico legal importance.</p> <p>Explain clinical findings and medico legal importance of hanging, strangulation, drowning etc</p>	<p>about the dowry death. And sec. of IPC related to dowry cases.</p> <p>To cover the clinical features of hanging, strangulation, drowning and its medico legal importance.</p>	<p>Poster presentation</p> <p>Instructive Ppt OHP Student seminar</p>	<p>08 hours</p>
17	<p>UNIT-7</p> <p>7.1 Medico Legal importance of Pregnancy, Delivery , Impotence , Sterility , Abortion, Infanticide , Battered baby, Virginity ,Artificial Insemination, Legitimacy</p>	<p>Explain about Clinical findings and medico legal importance of delivery ,pregnancy,sterility,abortion, virginity etc.</p>	<p>To cover the deep description of clinical features of pregnancy, sterility, virginity, impotency, delivery, battered baby syndrome etc and its medico legal importance.</p>	<p>Instructive Ppt OHP Student seminar</p>	<p>20 hours</p>
18	<p>UNIT-8</p> <p>8.1 Sexual offences, and their Medico Legal aspects Sexual perversions</p>	<p>Discuss about sexual prevention and medico legal importance of sexual offences.</p>	<p>To cover the laws related to sexual offences and its medico legal importance.</p>	<p>Instructive Ppt OHP Student seminar</p>	<p>03 hours</p>
19	<p>UNIT-9</p> <p>9.1 Introduction to Forensic psychiatry.</p>	<p>Discuss about clinical features of psychiatry disorders and its medico legal importance.</p>	<p>To cover about the clinical features of dementia, phobia, hallucination</p>	<p>Instructive Ppt OHP Group discussion</p>	<p>08 hours</p>

20	<p>UNIT-10</p> <p>10.1 Ethics as in classical Texts. Types of Vaidya, Pranabhisara and Rogabhisara Vaidya, Qualities of Vaidya, Responsibilities of Vaidya, ChaturvidhaVaidyavrutti, Duties of Vaidya to his patient, Vaidya Sadvrittam, Apujya Vaidya, Vaidya Sadvrittam, Apujya Vaidya</p> <p>10.2 Code of conduct-Laws in relation to Medical practitioners</p> <p>10.3 Indian Medicine Central Council Act.</p>	<p>Discuss about ethics and quality of vaidya(doctor) according to ayurveda</p> <p>Discuss about laws related to medical practitioners</p>	<p>etc and its medico legal importance.</p> <p>To cover the qualities and manner of working of Vaidyas according to Ayurveda.</p> <p>To cover the act related to Indian medicine central council act .</p>	<p>Instructive Ppt OHP Poster presentation Group discussion</p>	06 hours
21	<p>UNIT-11</p> <p>11.1 Maintenance of medical record</p> <p>11.2 Physician’s responsibility in criminal matters, Professional negligence, Civil negligence, Criminal negligence</p> <p>11.3 Medico Legal aspects of Acquired Immune Deficiency Syndrome</p> <p>11.4 Rights of an unborn child</p> <p>11.5 Medical Termination of Pregnancy Act Transplantation of human organs Bill 1994. Pre Natal Diagnostic Testing Act, Malingering of feigned diseases</p> <p>11.6 International Code of Medical Ethics for Doctors</p> <p>11.6 Clinical establishment Act, Consumer Protection Act 1986.</p>	<p>Discuss about how to maintain medical records for medico legal purpose. And also discuss about the civil, professional, criminal negligence and laws related to these negligences.</p> <p>Discuss about the various act like Right of an un born child, medical termination of pregnancy act, Consumer protection act etc.</p>	<p>To cover the maintenance of medical records and negligence of a medical practitioner in civil, criminal and professional matters.</p> <p>To cover laws related to medical termination of pregnancy act, Consumer protection Act , Pre natal diagnostic testing act etc.</p>		11 hours

Reference Books

1. Topics related to Agada Tantra from Charak Samhita, Sushrut Samhita, AshtangaHridaya, AshtangaSamgraha, KasyapaSamhitha, Yogaratnakara, Bhavaprakasha and MadhavaNidana.
2. Vidhivaidyaka (Vyavahar Ayurveda Vijnan) Dr.Charuchandra Pathak
3. Medical Jurisprudence and Toxicology Modi
4. Basavarajeeyam Edited by Vd.Govardhan
5. Agada Tantra Sh. RamanathDwivedi
6. Text book of Agada Tantra Edited by DrHuparikar, Dr.Joglekar
7. AgadatantrakiPathyapustaka Edited ByDrHuparikar, Dr.Joglekar
8. Agad Tantra Dr. ShekherNamboodri
9. Vishachikitsa Vaidya Balakrishnan Nair, Kerala (Ayurveda Toxicology English Translation)
10. Medical Ethics and Medical Laws in India Dr. H.S. Mehta
11. Toxicology Ayurvedic Perspective VPSV Ayurveda college Kottakkal
12. KautilyaArthashastra (English) Prof. Kangle
13. KautilyaArthashastra (Hindi) Dr. Raghunath Singh
14. Vyavahar Ayurveda Dr.Ayodhya Prasad Achal
15. Vyavahar Ayurveda VigyanamDr.IndramohanJha (Sachchan)
16. Textbook of Forensic Medicine and Toxicology Dr. V.V.Pillay
17. Forensic Medicine Dr. B. Umadathan
18. Relevant Acts Govt. of India
19. Relevant topics from Manu Smriti

Note:

Theory one paper- 100 marks each

Lectures-200 hrs

Practicals-100 hrs

Practical– 50 marks

Total marks - 150