



**AGADTANTRA AVUM VYAVAHAR AYURVED AVUM
VIDHI VAIDYAKA**

Academie year 2021-2022 IIIrd BAMS (Aadmane Batch)

EFFECT FROM AUGUST 2021

Theory One Paper – 100 Marks

Practical/Viva Voce - 50 Marks

Theory – 200 Hrs

Practical – 100 Hrs

IST TERM

Sr. No.	Topic	Lectures nos	Teacher Name
1	B4. Death and its Medico Legal Aspects, Medico Legal autopsy and exhumation. B9. Sexual offences, and their Medico Legal aspects. Sexual perversions	(Lect. 22) (Lect. 08)	Vd. Takale S.M.
2	A5. Introduction to Environmental Toxicology- Samuhika Vishaprayoga- effect of chemical and nuclear warfare. A7. Manifestation of poisoning due to poisons of plant origin their fatal Dose, fatal period, management of poisoning, post mortem appearance and its medico legal importance. Visha and Upavisha- Arka, Snuhi, Langali, Karaveera, Gunja, Ahiphena, Dhattura, Bhallataka, Vatsanabha, Kupeelu, Jayapala, Bhanga & Tobacco, Parthenium,	(Leet. 04) (Lect. 12)	Vd. Gawai S.D.



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	<p>hysteriphorus, Chitraka, Eranda, Digitalis and Cerebra Odallam.</p> <p>B6. Dowry deaths (Domestic Violence), their Medico Legal importance and laws in relation to it.</p> <p>B7. Asphyxial deaths and its Medico Legal importance.</p>	<p>(Lect. 04)</p> <p>(Lect. 10)</p>	
3	<p>A8. Garavisha, Dooshivisha, Viruddhahara. Food adulteration and poisoning— classification, diagnosis, management and contemporary significance</p> <p>B5. Injuries , their medico Legal aspects, general introduction of weapons.</p> <p>B8. Medico Legal importance of Pregnancy, Delivery; Impotence & Sterility, Abortion, Infanticide, battered baby. Virginity, Artificial Insemination, Legitimacy.</p>	<p>(Lect. 06)</p> <p>(Lect. 06)</p> <p>(Lect. 12)</p>	<p>Vd. Upadhyay R.S.</p>
4	<p>A1. Derivation, definition of Visha and Agadatantra. Scope of Agadatantra. Visha Utpatti, Visha Prabhava, Visha Pranaharana Kriya, Visha Guna, Visha Gati, Visha Vega Visha Sankata, Shanka Visha.</p> <p>A2. Definition of toxicology, Definition of poison, suicidal and homicidal poisons, classification of poisons, their action and</p>	<p>(Lect. 02)</p> <p>(Lect. 06)</p>	<p>Vd. Maske P.G.</p> <p><i>J. Maske</i> I/C PRINCIPAL</p>



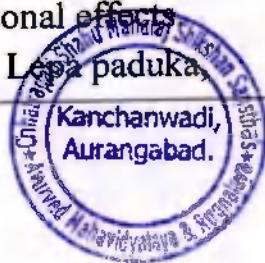
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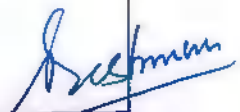


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	<p>route of administration, absorption, excretion, metabolism, diagnosis and general principles of treatment, duties of a medical practitioner in case of suspected poisoning.</p> <p>A3. Origin and Classification of Visha:-Its sources, Difference between Visha, Madya and Oja guna, Visha Upadrava and Visha Mukta Lakshana.</p> <p>B1. Definition of Vyavahara Ayurveda (Forensic medicine) and Vidhivaidyaka (Medical jurisprudence), concise history of Vyavahara Ayurveda (Forensic medicine) and Vidhivaidyaka (Medical jurisprudence). Introduction to Indian Penal Code, Indian Evidence Act and Criminal Procedure Code</p> <p>B2. Legal Procedures:- Inquest, Evidence, Witness, Courts and their powers.</p> <p>A12. Introduction to Narcotic drugs and Psychotropic substances Act 1985.</p> <p>BI2. Ethics as in classical Texts. Types of Vaidya, Pranabhisara and Rogabhisara Vaidya, Qualities of Vaidya, Responsibilities of Vaidya, Chaturvidha Vaidyavrutti, Duties of Vaidya to his patient, Vaidya Sadvritam, Apujya Vaidya, Code of conduct.</p>	<p>(Lect. 04)</p> <p>(Lect. 06)</p> <p>(Lect.06)</p> <p>(Lect.04)</p> <p>(Lect. 04)</p>	
5	<p>A4. Tests for detection of Visha, and Modern Toxicological Techniques of detection of poisons, Visha Data Lakshana, Visha Peeta Lakshana, Signs and symptoms of Visha afflicted organs and personal effects (Poisoning with Anjana, Lepa paduka,</p>	<p>(Lect. 06)</p>	<p>Vd. Kulkarni R.P.</p>




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Abharana etc		
A6. Vishopakrama described by Charak, General principles of Management of poisoning.	(Lect. 06)	
B3. Personal identity and its Medico legal aspects, forensic odontology, Introduction to Forensic Serology and DNA profiling.	(Leet. 16)	

IIND TERM

Sr. No.	Topic	Lectures nos	Teacher Name
1	B11. Introduction to forensic laboratory A11. Madya and Madatyaya. Alcohol poisoning (Ethanol and Methanol).	(Leet. 08) (Lect. 04)	Vd. Gawai S.D.
2	B14. Maintenance of medical record.	(Lect.04)	Vd. Takale S.M.
3	B10. Introduction to Forensic psychiatry. B13. Laws in relation to Medical	(Leet. 04)	Vd. Maske P.G.



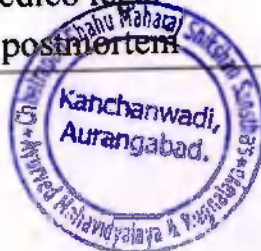
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	practitioners: Indian Medicine Central Council Act.	(Lect. 06)	
4	B15. Physician's responsibility in criminal matters, Professional negligence, Civil negligence, Criminal negligence, Medico Legal aspects of Acquired Immune Deficiency Syndrome, Rights 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. A9. Jangama Visha– Detailed study of Sarpa, Keeta, Loota, Vrischika, Mooshika, Alarka – Visha; Lakshana, Bheda, Chikitsa and their Sadhyasadyata (contemporary and classical views).	(Lect. 06) (Lect. 08)	Vd.Upadhyay R.S.
5	A10. Introduction to poisoning due to Acids, Alkalis, metals, Non-metals, Asphyxiants and others, their Fatal Dose, Fatal period, Manifestation, management, medico legal importance and postmortem	(Lect. 18)	Vd. Kulkarni R.P.



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	<p>appearance of poisoning due to:</p> <p>a) Acid and Alkalis– Sulphuric acid, Hydrochloric acid, Nitric acid, Hydrocyanic acid, Oxalic acid, Carbolic acid, Formic acid, alkalis in general.</p> <p>b)Asphyxiants – Carbon monoxide, Carbon dioxide, Hydrogen sulphide</p> <p>c)Nonmetallic poisons – Phosphorous, Iodine Metallic poisoning – Arsenic, Mercury, Lead, Copper, Zinc, Tin.</p> <p>d)Others - Petroleum – Kerosene Organo phosphorus compounds - Aluminum phosphate, Organo Chlorinated Compounds, Household poisons.</p>		
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SUBJECT – AGADTANTRA & V.V.

III BAMS PRACTICAL ATP

ADMANE BATCH 2021-2022

SR. NO	TITLE OF PRACTICAL	PRACTICAL NOS	TEACHER NAME
1	1. PM Cases 2. Weapon Report 3. Injury Report 4. Examination of Weapon 5. Injury and Weapon Corelation 6. Medicolegal aspect - Models 7. Snake Park 8. Court Visit 9. RFSL Visit	02 03 03 03 03 02 01 02 01	Dr. Upadhyay R.S. (20)
2	1. Dhatura 2. Kuchala 3. Mercury 4. Ahiphena 5. Lead 6. Bhanga 7. OPC 8. D/D between Poisonous & Non-poisonous Snakes 9. Atropine 10. Snake Park 11. Court Visit 12. RFSL Visit 13. Medicolegal aspect –Models 14. PM cases	02 02 02 02 02 02 02 02 02 01 02 01 02 02	Dr. Maske P.G. (26)



J. S. Sharmar
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3	<ol style="list-style-type: none">1. Bhallatak2. Arsenic3. Jaypala4. Ahiphena5. Lead6. Barbiturates7. Stomach Wash8. Nalaxone9. Snake Park10. Court Visit11. RFSL Visit12. Medicolegal aspect -Models13. PM cases	<ol style="list-style-type: none">010201020202010101020102	Dr. Takale S.M. (20)
4	<ol style="list-style-type: none">1. Introduction with Example2. Vatsanabh3. Arka4. Dhatura5. Gunja6. Kuchala7. Tobacco8. Methyl Alcohol9. Kerosenc10. Caustic Soda11. Carbolic Acid12. Snake Park13. Court Visit14. RFSL Visit15. Medicolegal aspect -Models16. PM cases	<ol style="list-style-type: none">0102010201020202020101010202	Dr. Gawai S.D. (25)
5	<ol style="list-style-type: none">1. Introduction with Example2. Gunja3. Vatsanabh	<ol style="list-style-type: none">010102	Dr. Kulkarni R.P (25)




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4. Eranda	01
5. Dhatura	02
6. Karveera	02
7. Sulphuric Acid	01
8. Kuchala	02
9. Jaypala	01
10. Medicolegal charts	02
11. ASV	02
12. Snake Park	01
13. Court Visit	02
14. RFSL Visit	01
15. Medicolegal aspect -Models	02
16. PM cases	02



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SUBJECT - AGADTANTRA & V.V

CURRICULUM DISTRIBUTION

FINAL MD

ATP 2021-2023 (MALI BATCH)

TOTAL LECTURES: 400

Paper I

Sr. No	Name of the Topic	Lectnre Nos	Name of the Teacher
1	Part A 1. Agadatantra its sequential development during vedakala ,samhitakala, samgrahakala, adhunikakala.	08	Dr. Upadhyay R.S (34)
	2. Defination of visha, properties of visha and its comparison with madya and oja ,vishasamprapti, vishaprabhava, vishavega, vegantara and vishakarmukata (toixicodynamic and toxicokinetic study).	08	
	Part B 2. Detailed study of madyavisha and introduction to substances acting on the nervous system ; substance abuse (Diagnosis , management and de-addiction).	08	
	4. Concept of virudhaaahara ,aaharavisha and satmyasatmyata in contemporary and ayurvedic views.	10	



Dr. Shrinath

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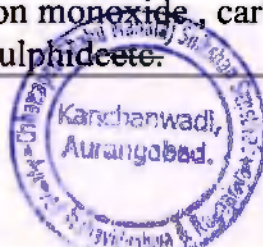
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2	Part A 3. Descriptive and comparative study of upavisha in union with contemporary toxicology.	10	Dr. Maske P.G. (33)
	4. Examination of poisons as per contemporary and ayurvedic methods.	07	
3	Part B 3. Detailed study of the contemporary knowledge about vishajanyajanapandodhavansaniyaroga community health problems due to poison- environmental pollution, water pollution, soil pollution, air pollution, industrial pollution etc. their features and management according to ancient and recent concepts	08	
	5. Conceptual Study- Drug Interaction and Incompatibility, Pharmaco Vigilance	08	
3.	Part A 5. Detailed study of the following: Visha and upavisha – arka ,snuhi, langali, karaveera, gunja, ahiphena ,dhattura ,bhallataka, vatsanabha, kupeelu, jayapala, bhanga, tobacco, partheniumhistoferous, chitraka, eranda, digitalis, cerebra odollumete. acid and alkalies- sulphuric acid, hydrochloric acid, nitric acid , hydrocyanic acid , oxalic acid, carbolic acid, formic acid and alkaliesete. Asphyxiants – carbon monoxide, carbon dioxide, hydrogen sulphidete.	19	Dr. Takale S.M. (33)



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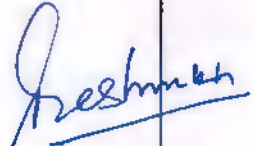


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	<p>antihistamines, cocaine hallucinogens- LSD sedatives and hypnotics – Barbiturates petroleum- kerosene poisoning organo phosphorus compounds – aluminium phosphate, zinc phosphide etc.</p> <p>a. non metallic poisons- phosphorous , iodine etc b. metallic poisoning- arsenic, mercury, lead, copper, zinc, tin, radiation metal etc. Introduction to radioactive substances.</p>		
	<p>6. Study of jangamavisha and their sources (animal poisoning and zoonotic diseases). descriptive study of snakes according to ancient and contemporary Knowledge. Causes of snake bite and its types, composition snake venom and its pharmacological actions. Sign and symptoms of envenomation and its prognostic signs. Clinical features of vrischika (scorpion), luta(spider) , grihagodhika (lizard), mushaka(rats), alarka(dogs), makshika and mashaka (mosquitoes) and their pathological manifestations including their role in the manifestation of communicable disease</p>	08	
	<p>7. Shankaavisha and its management. vishasanka</p>	01	
	<p>Part B I. Garvisha and Dushivisha , their varieties, signs, prodromal symptoms, prognosis, complications and management with contemporary relevance. Detailed study of Allergies including allergic manifestations in the eyes, nose, lungs and skin.</p>	05	




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Paper II

Sr. No	Name of the Topic	Lecture Nos	Name of the Teacher
1	Part A 1. Fundamental Principles for treatment of poisoning	07	Dr. Maske P.G (33)
	2. General and specific treatment of different types of Sthavaravisha enumerated in paper 1.	10	
	3. General and specific treatment of different types of Jangamavisha (animal poisons; insect poisons; snake bites; and other zoonotic diseases) enumerated in paper 1.	08	
	4. Emergency medical management of poisoning including preparation; administration and complications of antivenoms/ antisera.	08	
2	Part B 2. Management of the toxic manifestations caused by the contact poisons (paduka; vasthra; abharana; Mukhalepa vishabadha etc	15	Dr. Upadhyay R.S. (34)
	3. Management of food poisoning.	05	
	4. Death due to poisoning; Duty of physician in poisoning; in cases of suspected poisoning. Post mortem findings in poisoning.	08	



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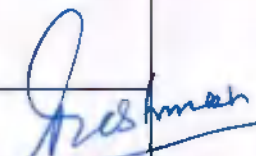


	5. Introduction to Extra_corporeal techniques(dialysis etc) for removal of poisons.	06	
3	Part A 5. Chaturvinshati Upakrama	15	Dr. Takale S.M. (33)
	6. Management of Garavisha and Dushivisha treatment of Allergies including allergic Manifestations in the eyes ; nose; lungs; and skin.	11	
	Part B 1. Diagnosis and Management of Drug Induced Toxicity	07	

Paper III

Sr. No	Name of the Topic	Leecture Nos	Name of the Teacher
1.	Part A 1. Definition of Vyavahara Ayurveda; its evolution in ancient and contemporary periods	02	Dr. Upadhyay R.S. (36)
	2. Personal identity and its medico legal aspects.	06	
	4. Asphyxial deaths and its medico legal importance.	05	
	6. Suspended Animation.	01	
	7. Medico legal autopsy.	03	




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	a) post mortem findings in poisoning.		
	Part B 5. Duties and privileges of physician.	02	
	6. Structure of Central Council of Indian Medicine, its jurisdiction and functions. Code and Conducts as per the CCIM, Rules and Regulation there under.	03	
	10. Professional secrecy and privileged communication.	02	
	12. Indemnity Insurance scheme.	02	
	14. Ethics as in classics. Types of physicians and methods of identification, Pranabhisara and Rogabhisara Physicians, qualities of physician, responsibilities of Physicians, Chaturvidhavaidyavriti, duties of physicians towards patients, Vaidyasadvritam, Apujya Vaidya who is accepting fees, relationship with females.	12	
2.	Part A 3. Death and its medico legal aspects (Medical Thanatology)	05	Dr. Maske P.G. (31)
	5. Death due to starvation, heat and cold, lightning and electricity.	03	
	8. Injuries due to explosions, chemical and nuclear warfare.	02	
	9. Medico legal aspects of injuries and wounds.	06	
	Part B 7. Respective State Council of Indian	05	



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	Medicine, its structure, power, voluntary duties.		
	9. Rights and privileges of patients, Euthanasia.	04	
	11. Professional negligence and malpractice.	03	
	13. Consumer Protection Act related to medical practice.	03	
3.	Part A 10. Impotence and sterility Its medicolegal aspects. Regulations of Artificial Insemination. Medicolegal aspects of surrogate motherhood.	06	Dr. Takale S.M. (31)
	11. Sexual offences and perversions.	03	
	12. Medico legal aspects of virginity, pregnancy, delivery, abortion, infanticide and legitimacy with related acts.	06	
	Part B 1. Indian Penal Code, Criminal procedures code and study of related acts like Indian Evidence Acts, 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, Medical and Toilet Preparations Act 1955 and Anatomy Act etc. Any related act enacted by the government from time to time.	05	



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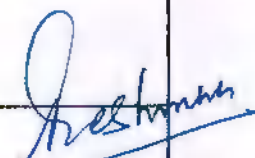


	2.Introduction to Courts and Legal procedures.	04	
	3.Forensic Science Laboratory.	02	
	4.Medico legal aspects of mental illness.	02	
	8.Doctor patient relationship.	03	

Part IV

Sr. No	Name of the Topic	Lectnre Nos	Name of the Teacher
1.	Part A 3.Fundamentals of pharmaceutics according to Ayurveda and contemporary point of view.	10	Dr. Upadhyay R.S. (34)
	Part B 4.Introduction to Toxieogenomics	12	
	5.Introduction to of the traditional and folklore vishachikista sampradaya.	12	
2.	Part A 1.Pharmaeodynamics of different formulations used in Agadatantra.	15	Dr. Maske P.G. (31)
	2.Study of pharmacology and usage of antidotes as per the Ayurvedic and contemporary science.	08	
	Part B 2.Introduction to Clinical toxicology.	08	




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3.	Part A 4.Introduction to forensic Sciencee Laboratory. Chemical, analytical, laboratory examination of poisons and suspicious substance.	10	Dr. Takale S.M. (35)
	PART-B 1.Introduction of different instruments/equipments used in the examination of poisons. Microscopes viz compound, binocular, trinacular, research advanced pH meters Photoelectric colorimeter, TLC HPTLC, HPLCS DNA profile GC GC-MS AAS s UV Spectrophotometer Electrophoresis	15	
	3.Introduction to Experimental toxicology	10	



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FINAL-MD (MALI BATCH)
ATP 2021-2023

Sr.No	Topic	Practical nos	Teacher name
I	CONTENT OF PRACTICAL / DEMONSTRATION 1. Identification of Specimen, Models & Equipment of Toxicology and Jnrisprudence. 1. Sulphurie Acid 2. Carbolic Acid 3. Sodium Hydroxide 4. Chlorine 5. Lead 6. Arsenie 7. Mercury 8. Copper 9. Zinc	09	Vd. Upadhyay R.S. (42)
	2. Praetical Training in Post Mortem Examination 10 Cases of Post Mortem in different pattern For ex : Drowning, Hanging, Road Aeedent, Train Accident, Poisoning, Burn, Homicidal etc.	10	
	3. Chemical Identification of Various Acids, Alkali, Alcohol - HCL, Nitric Acid	02	
	4. Introdnetion to Detection of minerals – Copper, Mercury and their compounds	02	
	5. Introdnetion to Physical and Chemical analysis (any 2) Dhatura and Karveer, with microscopic powder	02	



Reshman

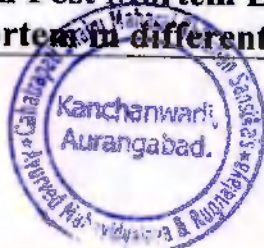
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	<p>microscopy, TLC, Solvent extraction, Detection of Phenol, Tannin</p> <p>6. Detection of Blood and other biological secretions of forensic importance.</p> <p>7. One Research paper to be published/ accepted in peer reviewed journals of each candidate with name, guide and HOD.</p> <p>8. Clinical Posting – Daily</p> <p>a). Regular clinical posting in Agad Tantra OPD/iPD – 4 Weeks. CSMSS Rugnalaya</p> <p>h). Modern medical Hospital – 2 weeks – CSMSS Hospital (Emergency management of poisoning).</p> <p>9. Other posting</p> <p>a). Post Mortem</p> <p>h). Court Visit</p> <p>10. Visits-</p> <p>a). RFSL</p> <p>b). ASV manufacturing Unit (optional)</p>	<p>02</p> <p>-</p> <p>-</p> <p>04</p> <p>04</p> <p>04</p>	
2	<p>CONTENT OF PRACTICAL / DEMONSTRATION</p> <p>1. Identification of Specimeu, Models & Equipment of Toxieology aud Jurisprndence.</p> <p>1. Ricinis Communis</p> <p>2. Croton Tiglium</p> <p>3. Abrus precatorius</p> <p>4. Calatropis procera</p> <p>5. Snake</p> <p>6. Scorpion</p> <p>7. Opium</p> <p>8. Alcohol</p> <p>9. Methyl Alcohol</p> <p>2. Practieal Training in Post Mortem Examination</p> <p>10 Cases of Post Mortem in different pattern</p>	<p>09</p> <p>10</p>	<p>Vd. Maske P.G. (42)</p> <p><i>J. Maske</i></p>



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For ex : Drowning, Hanging, Road Accident, Train Accident, Poisoning, Burn, Homicidal etc.		
3. Chemical Identification of Various Acids, Alkali, Alcohol – Sulphuric Acid, Ascorbic Acid.	02	
4. Introduction to Detection of minerals – Lead and their compounds	02	
5. Introduction to Physical and Chemical analysis (any 2) Vatsanabh and Jaypal, with microscopic powder microscopy, TLC, Solvent extraction, Detection of Phenol, Tannin	02	
6. Detection of Hair and other biological secretions of forensic importance.	02	
7. One Research paper to be published/ accepted in peer reviewed journals of each candidate with name, guide and HOD.	-	
8. Clinical Posting – Daily a). Regular clinical posting in Agad Tantra OPD/IPD – 4 Weeks. CSMSS Rugnalaya b). Modern medical Hospital – 2 weeks – CSMSS Hospital (Emergency management of poisoning).	-	
9. Other posting a). Post Mortem b). Court Visit	04 04	
10. Visits- a). RFSL b). ASV manufacturing Unit (optional)	04	



Reshma

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<p>8. Clinical Postiug – Daily a). Regular clinical posting in Agad Tantra OPD/IPD – 4 Weeks. CSMSS Rungalaya b). Modern medical Hospital – 2 weeks – CSMSS Hospital (Emergency management of poisoning).</p> <p>9. Other posting a). Post Mortem b). Court Visit</p> <p>10. Visits- a). RFSL b). ASV manufacturing Unit (optional)</p>	<p>-</p> <p>04</p> <p>04</p> <p>04</p>	
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J. S. Kulkarni

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