

**RASHTRIYA SHIKSHAN MANDAL'S
TILAK AYURVED MAHAVIDYALAYA, PUNE**

583/2, RASTA PETH, PUNE 411011

ACADEMIC TERM PLAN

COURSE: II BAMS (2021)

BATCH: September 2026 -APPEAR

Department Of Rasashastra

Sub. - Rasashastra and Bhaishajya Kalpana

NAME OF THE DEPARTMENTAL FACULTIES:

1. DR. INDIRA UJAGARE
2. DR. MANDAR AKKALKOTKAR
3. DR. YOGINEE PATIL (Up to 31st July 2025)
4. DR. VINAYA DIXIT
5. DR. ASHWINI BODADE
6. DR. KSHITIJA KULKARNI (From 1st Aug 2025)

CLASSROOM NO. 02



HOD
(Sign & stamp)

Professor and Head
Department of Rasashastra
Tilak Ayurved Mahavidyalaya, Pune

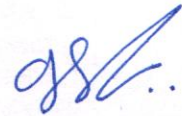
RASASHASTRA DEPARTMENT
TILAK AYURVED MAHAVIDYALAYA, PUNE
ACADEMIC TERM PLAN
SUBJECT-RASASHASTRA & BHAISHAJYA KALPANA
COURSE: II BAMS (2021) BATCH: September 2026 -APPEAR
DURATION: July 2025 to September 2026

Paper I Ayurvediya Aushadhi Nirmana Vigyana						
Sr No	List of Topics	Term	Faculty	Lecture hours	Faculty	Non-Lecture hours
1	1.Chronological development of Ayurvediya Aushadhi Nirmana	1	Dr. Yoginee Patil Dr. Indira Ujagare	2	Dr. Yoginee Patil Dr. Indira Ujagare	1
2	2.Paribhasha (Terminology)	1	Dr. Ashwini Bodade	8	Dr. Ashwini Bodade	4
3	3.Adharbhuta Siddhanta (Application of fundamental principles)	1	Dr. Ashwini Bodade	4	Dr. Ashwini Bodade	2
4	4.Yantropakaranani- I (Equipments and machineries) Principles involved, currently used yantras, their	1	Dr.M. Akkalkotkar	6	Dr.M. Akkalkotkar	4
5	5.Yantropakaranani -II (Equipments, fuel and Heating Devices)	1	Dr. Indira Ujagare	5	Dr. Indira Ujagare	4
6	6.Kalpana Nirmana I (Primary & Secondary dosage forms)	1	Dr. Vinaya Dixit	6	Dr. Vinaya Dixit	4
7	7.Kalpana Nirmana-II (Method of Preparation of different dosage forms & Dietary Supplements)	1	Dr. Vinaya Dixit	5	Dr. Vinaya Dixit	4
8	8.Rasa Dravya Parichaya- I	2	Dr. Kshitija Kulkarni	12	Dr. Kshitija Kulkarni	4
9	9.Rasa Dravya Parichaya II	2	Dr. Kshitija Kulkarni	7	Dr. Kshitija Kulkarni	6
10	10.Rasadravya Parichaya III	2	Dr. Kshitija Kulkarni	3	Dr. Kshitija Kulkarni	6
11	11.Kalpana Nirman -III (Method of Preparation of different dosage forms)	2	Dr. Ashwini Bodade	8	Dr. Vinaya Dixit	6
12	12.Chaturvidha Rasayana	2	Dr. Vinaya Dixit	4	Dr. Vinaya Dixit	4
13	13.Current and emerging trend in Ayurvedic pharmaceuticals	3	Dr. Indira Ujagare	3	Dr.M. Akkalkotkar	4
14	14. GMP (Schedule T) & Regulatory aspects of Ayurvedic drugs	3	Dr. Mandar Akkalkotkar	2	Dr. Mandar Akkalkotkar	4
Total Marks: 100				75 hr		57 hr

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Paper 2- Ayurvediya Aushadhi Prayoga Vigyana

Sr. No	List of Topics	Term	Faculty	Lecture hours	Faculty	Non-Lecture hours
15	1.AushadhiPrayogaVigyana	1	Dr. Indira Ujagare	1	Dr. Indira Ujagare	2
16	2. Singledrug(Herbal&Mineral)	1	Dr.M. Akkalkotkar	8	Dr.M. Akkalkotkar	2
17	3.Single drug(Bhasma, Shuddha&Pishti)	2	All Faculty	12	Dr. A. Bodade	6
18	4.Aushadhi Kalpa-I (Compound formulations)	2	All Faculty	16	Dr. Kshitija Kulkarni	4
19	5.Aushadhi Kalpa-II (Compound Drugs/Formulations)	3	All Faculty	14	Dr. Kshitija Kulkarni	2
20	6.Dosage Forms & Cosmetic Products	3	Guest lecture+ All Faculty	5	Dr. I. Ujagare	2
21	7.Nutraceuticals Introduction	3	Guest Lecture + Dr. I. Ujagare	6	Dr. I. Ujagare+ Dr. Hajarnavis	1
22	8.Anupana Prayoga for AushadhiKalpa	3	Dr. Indira Ujagare	4	Dr. A. Bodade	1
23	9.Aushadhi Prayoga Marga	3	Dr. Indira Ujagare Dr. V.Dixit Dr. A. Bodade Dr.M. Akkalkotkar	5	Dr. Indira Ujagare	1
24	10. Rational prescription along with safe dispensing of Ayurvedic formulations.	3	Dr. A. Bodade	1	Dr. A. Bodade	4
25	11.Traditional & Local health Practices	3	Dr. Kshitija Kulkarni	2	Dr. V.Dixit + Dr. Himangi Shende	4
26	12.Pharmacovigilance for Ayurveda drugs	3	Integration with Dravyagun Dept.	1	Dr. Indira Ujagare + Dr.Aphale	4
Total Marks : 100				75 hr		33 hr



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PRACTICAL

S.No	Name of practical	Term	Faculty	Practical hrs
1	<p>1.ParibhashaconceptBasedPracticals</p> <p>A)DravyaParibhasha- Identificationof drugsandtheirrespectiveclass(varga)</p> <p>B)PrakriyaParibhasha-</p> <p>1.Swedana: GodantiShodhana ShankhaShodhana Kapardikashodhana GugguluShodhana</p> <p>2.Mardana: ParadaSamanyaShodhana</p> <p>3.Dhalana: GandhakaShodhana VangaShodhana Yashadashodhana</p> <p>4.Nirvapa: AbhrakaShodhana TamraShodhana</p> <p>5.Nirjaleekarana: TankanaShodhana Kankshishodhana</p> <p>6.Bhavana: HingulaShodhana</p> <p>7.Bharjana: GairikaShodhana HinguShodhana</p> <p>8.Nimajjana/Sthapana: Vatsanabhashodhana</p> <p>9.Jarana: VangaJaran VangaBhasma</p> <p>10.Murchana: MugdhaRasa Kajjali</p> <p>11.Druti- GandhakaDruti</p> <p>C)PramanikaranaParibhasha-</p> <p>1)BhasmaSamanyaPareeksha AbhrakaBhasma ShankhaBhasma</p> <p>2)BhasmaVisheshaPareeksha: TamraBhasma (Dadhi/ NimbuPariksha)-</p> <p>D)NamburiPhasedSpotTest (NPST)</p>	1	<p>All practical will be conducted batch wise in following manner -</p> <p>Each batch will perform practical once a week. Per week allotment of practical will be as follows-</p> <p>Dr. Kshitija Kulkarni - Batch A ,</p> <p>Dr. Vinaya Dixit- Batch B,</p> <p>Dr. A. Bodade - Batch C</p>	20

2	<p>2.Panchavidha Kashaya Kalpana & their Upakalpana Practicals</p> <p>1.SwarasaKalpana: Tulasiswarasa ArdrakaSwarasa VasaputapakaSwarasa</p> <p>2.KalkaKalpana: Nimbakalka Rasona Kalka</p> <p>3.KwathaKalpana: Punarnavashtakakwatha RasnaSaptakaKwatha</p> <p>4.HimaKalpana: DhanyakaHima SarivadiHima</p> <p>5.PhantaKalpana: Panchakolaphanta Yashtimadhuphanta</p> <p>6.ChurnaKalpana: Sitopaladichurna Hingwastakachurna</p> <p>7.Pramathya: MustadiPramathya</p> <p>8.PaneeeyaKalpana: ShadangaPaneeeya</p> <p>9.ManthaKalpana: KharjuradiMantha</p> <p>10.PanakaKalpana: ChinchaPanaka ChandanaPanaka</p> <p>11.KsheerapakaKalpana: ArjunaKsheeraPaka - LashunaKsheerapaka -</p> <p>12. UdakaKalpana : Tandulodaka</p>	1	<p>Dr. Kshitija Kulkarni - Batch A ,</p> <p>Dr.Vinaya Dixit- Batch B,</p> <p>Dr. A. Bodade - Batch C</p>	24
3	<p>3.Rasa Dravya Aushadhi Nirmana Practicals</p> <p>1. Marana : VangaBhasma Sankha Bhasma</p> <p>2. Kharaliyarasayana : AnandaBhairava Rasa TribhuvanaKeerti rasa</p> <p>3. Parpati : Rasa Parpati SwetaParpati</p> <p>4. Kupipakwarasayana Rasasindhura</p> <p>5. Pottalirasayana : Rasagarbhapottali</p> <p>6. Rasa : Laghusutsekhararasa</p> <p>7. Loha: Navayasaloha Saptamritaloha</p>	1	<p>Dr. Kshitija Kulkarni - Batch A ,</p> <p>Dr.Vinaya Dixit- Batch B,</p> <p>Dr. A. Bodade - Batch C</p>	20

4	<p>4.Bheshaja Kalpana Practicals –I</p> <p>1. ArkaKalpana: YavaniArka GulabArka MisreyaArka</p> <p>2. VatiKalpana: Agni TundiVati ChitrakadiVati LavangadiVati</p> <p>3. Guggulu Kalpana: TriphalaGuggulu KaishorGuggulu</p> <p>4. SatvaKalpana: AmrutaSatva ArdrakaSatwa</p> <p>5. VartiKalpana: PhalaVarti ChandrodayaVarti</p> <p>6. LavanaKalpana: ArkaLavana NarikelaLavana</p> <p>7. KsharaKalpana: ApamargaKshara Kshara Sutra Preparation</p> <p>8. MasiKalpana: TriphalaMasi MayuraPicchaMasi</p> <p>9. Upanaha: AtasiUpanaha</p> <p>10. Manjana: Dashanasamskarachurna</p> <p>11. MalaharaKalpana: SikthaTaila SarjarasaMalahara GandhakaMalahara</p> <p>12. LepaKalpana: DashangaLepa ShatadhoutaGhrita</p>	2	<p>Dr. Kshitija Kulkarni - Batch A ,</p> <p>Dr.Vinaya Dixit- Batch B,</p> <p>Dr. A. Bodade - Batch C</p>	24
5	<p>5.BheshajaKalpana Practicals–II</p> <p>1. SnehaKalpana: GhritaMurchana TailaMurchana</p> <p>2. GhritaKalpana: TriphalaGhrita AmrutaGhrita</p> <p>3. TailaKalpana: KsheeraBalaTaila ArkaTaila</p> <p>4. TailaPatana: BhallatakaTailaPatana</p> <p>5. AvalehaKalpana: Vasavaleha KushmandaAvaleha</p> <p>6. SharkaraKalpana: NimbuSharkara</p> <p>7. Ghana:</p>	2	<p>Dr. Kshitija Kulkarni - Batch A ,</p> <p>Dr.Vinaya Dixit- Batch B,</p> <p>Dr. A. Bodade - Batch C</p>	22

	<p>Kutaja Ghana Guduchi Ghana 8. KhandaKalpana: HaridraKhanda NarikelaKhanda 9. Asava : Lohasava Drakshasava 10. Arishta: Arjunarishta Takararishta 11. ShuktaKalpana: Kanji Madushukta</p>			
6	<p>6. Dosage Forms & Self-care Products Practicals 1. Solid dosage forms: Granules/ Lozenges 2. Liquid Dosage forms: Syrup/Suspension/Emulsion/Liniment 3. Semisolid Dosage: Cream/Gel/Ointment/Pain Balm 4. Hair Care: Shampoo 5. Body Care: Soap/Perfume 6. Face Care: Face pack / Talcum Powder 7. Lip Care: Lip Balm, Lipstick 8. Oral Care: Tooth Paste/ Mouth Wash 9. Foot Care: Foot Cream 10. Hand Disinfectant: Hand Sanitizer 11. Skin Care: Moisturizer/Sunscreen Lotion</p>	2	<p>All Faculty- Dr. Indira Ujagare Dr. M. Akkalkotkar Dr. Vinaya Dixit Dr. A. Bodade Dr. Kshitija Kulkarni</p>	22
7	<p>7. Field Visit/ Study Tour GMP Certified Pharmacy Visit X 2 Pharmacy (1 classical formulations and 1 Proprietary formulations/Having both Manufacturing facility) NABL Accredited drug Testing Laboratory/Research and Development Unit Combined out campus/ Field visit may be planned wherever feasible</p>	3	<p>All Faculty- Dr. Indira Ujagare Dr. M. Akkalkotkar Dr. Vinaya Dixit Dr. A. Bodade Dr. Kshitija Kulkarni</p>	24
8	<p>8. Hospital IPD Practical Hospital IPD Practical: Formulation prescription, method administration, dose, time, duration, Pathya, Apathya advised - Minimum 10 case sheet record of different dosage forms prescribed for particular case/disease</p>	3	<p>Dr. Kshitija Kulkarni - Batch A Dr. Vinaya Dixit - Batch B, Dr. A. Bodade - Batch C at Seth Tarachand Ramnath Charitable Ayurvedic Hospital</p>	10

