



Estd : 1989
NCISM College Code : AYU0153
MUHS College Code : 3401

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छत्रपती शाहू महाराज शिक्षण संस्था संचलित

आयुर्वेद महाविद्यालय व रुग्णालय

CHHATRAPATI SHAHU MAHARAJ SHIKSHAN SANSTHA'S

AYURVED MAHAVIDYALAYA & RUGNALAYA

(Recognized by National Commission for Indian System of Medicine, Ministry of AYUSH, Govt. of India, New Delhi & Affiliated to Maharashtra University of Health Sciences, Nashik.)



Pre MD

Admitted 2023-24

(Bansode Batch)

	DR A M GHOTANKAR
Part A	Importance of Namarupavigyan and concept of basonyms and synonyms of Dravyas Applied aspects of Rasa, Guna
Part B	Basic principles of Desha pravichara, Dravyasangrahana (collection), Samrakshana (preservation) Evolution of Dravyagunavigyan with special emphasis on Nighantus Methodology of studying controversial, pratinidhi (substitute), apamishrana (adulterant) and unidentified Dravya General principles of various good cultivation practices, collection practices, storage practices and manufacturing practices

	DR P P SURVE
Part A	Applied knowledge of Bhaishajya Prayoga (marga, kalpana, matra, anupana, sevan, kala etc.)
Part B	An integrated study of Charakokta Bhaishaj pariksha and scientific method of drug evaluation with special reference to quality, safety and efficacy Pharmacovigilance and ADR issues Knowledge on the Ayurvedic Pharmacopoeia of India, The Formulary of India and international pharmacopoeias

	DR J V KULKARNI
Part A	Panchamahabhusiddhanta, SamanyaVisheshasiddhanta, Tridoshasiddhanta. Extensive study on classifications of Dravya as described in Brihatrayi. Applied aspects of Virya, Vipaka and Prabhava. Applied aspects of Aushdha karma with reference to Sharngadhara and Bhavaprakasha
Part B	Prashastabhaishaj lakshana Profound knowledge on applied aspects of Agryaushadha Pharmacognosy and its relevance in Dravyagunavigyan

Deshmukh

Principal

Chhatrapati Shahu Maharaj Shikshan Sanstha's
Ayurved Mahavidyalaya & Rugnalaya,
Kanchanwadi, Chhatrapati Sambhajinagar.

Hoonye

H.O.D. & Professor

Dept. of Dravyaguna
Chhatrapati Shahu Maharaj Shikshan Sanstha's
Ayurved Mahavidyalaya & Rugnalaya,
Kanchanwadi, Aurangabad.



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Final MD

Admitted 2023-24

(Bansode Batch)

Sr.no.	DR A M GHOTANKAR
1	<p>Part -A</p> <ol style="list-style-type: none"> 1. Importance of Namagyan of Dravya, origin of Namarupagyan of Aushadhi in veda, etymological derivation of various names and synonyms of Aushadhi. (with meaning) 2. Rupagyan in relation to Aushadhi. Plant no-65-125 Nice to know plants no 1-22 5. Knowledge of Anuktadravya (Extra – pharmacopoiial drugs) with regards to Namarupa. <p>Part -B</p> <ol style="list-style-type: none"> 1. Pharmacognostical study of different parts of the plants with reference to Macroscopic and microscopic study and Qualitative and Quantitative analysis like foreign matter, extractive (water and alcohol), ash value, acid insoluble ash and TLC separation. (Kanda(Guduchi, Apamarga), Patra (Vasa, Markandika), Pushpa (Lavang, Nagapushpa), Phala (Pippali, Bibhitaka), Beeja (Vidanga, Kuchala), Tvak (Arjuna, Kutaja), Mula (Shatavari, Ashwagandha), Niryasa (Hingu, Guggul). 2. Methods of drugs Standardization and Quality control.
2	<p>Part -A</p> <ol style="list-style-type: none"> 1. Fundamental principles of drug action in Ayurveda 2. Detailed Study of rasa-guna-viryas-vipaka-prabhava and karma with their applied aspects and views of commentators (Chakrapanidatta, Dalhana, Arunadatta, Hemadri, and Indu) on them. <p>Part -B</p> <ol style="list-style-type: none"> 1. Fundamental Principles of General pharmacology 2. Modern pharmacological principles and knowledge of drugs acting on various systems.
3	<p>Part -A</p> <ol style="list-style-type: none"> 3. Samyoga- viruddha Siddhanta and its importance with examples. <p>Part -B</p> <ol style="list-style-type: none"> 4. Knowledge of Pharmacogenomics.
4	<p>Part -A</p> <ol style="list-style-type: none"> 1. Etymology of Nighantu, their relevance, utility and silent features. 2. Details of the following Nighantus with regards to author's name, period, and content- Paryayaratnamala, Dhanvantari Nighantu, Hridayadipakanighantu, Ashtanganighantu, Rajanighantu, Siddhamantranighantu, Bhavaprakashanighantu, Madanpalanighantu, Rajavallabhanighantu, Madhava Dravyaguna, kaiyadevanighantu, shodhalanighantu, shaligramnighantu, Nighantu Ratnakar, Nighantuadarsha, and Priya Nighantu. <p>Part -B</p> <ol style="list-style-type: none"> 1. General awareness on aharayogi (Nutraceuticals), soundaryaprasadana (cosmoceutical), food additives, excipients etc. 2. Knowledge of Plant extracts, colouring and flavouring agents and preservatives.

	DR P P SURVE
1	<p>Part -A</p> <ol style="list-style-type: none"> 4. Distinguishing morphological characteristics features (swaroopa) of medicinal plants listed in Ayurvedic pharmacopoeia of india (A.P.I)

Principal



M.D.D. & Professor



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	<p>Plant no-125-185 Nice to know plants no 45-66 Part -B 5. Knowledge of tissue culture techniques. 6. Knowledge of Genetically Modified Plants. 7. Knowledge of advances in cultivations of medicinal plants. 3. Basic knowledge on experimental pharmacology for the evaluation of – analgesic, antipyretic, anti inflammatory, anti diabetic, anti hypertensive, hypo lipidemic, anti ulcer, cardioprotective, hepatoprotective, diuretics, adaptegens, CNS activities, anti microbial and antimycotic activities.</p>
2	<p>Part -A 5. Detailed study of aharadravya ,aharavarga and kritnavarga described in Brihatrayee and various nighantus.(Especially Bhavaprakash&Kaiyadevnighantu) 6. Knowledge of guna and karma of anuktadravyas.(Only karma should be asked not guna of anuktadravyas). Part -B 3. Basic knowledge on experimental pharmacology for the evaluation of – analgesic, antipyretic, anti inflammatory, anti diabetic, anti hypertensive, hypo lipidemic, anti ulcer, cardioprotective, hepatoprotective, diuretics, adaptegens, CNS activities, anti microbial and antimycotic activities.</p>
3	<p>Part -A 3. Samyoga- viruddha Siddhanta and its importance with examples. Part -B 1. Knowledge of Pharmaco-vigilance in Ayurveda & modern medicine. 2. Adverse drug reactions & drug interaction of medicinal plants.</p>
4	<p>Part -A 4. Dashemani and Agryasangraha of Charak and Vagbhat should be included. Part -B 4. Knowledge of important scientific publications of various Departments & ministries of Govt. of India – like department of AYUSH, CCRAS, RAV, ICMR, CSIR etc</p>

	<p>DR J V KULKARNI</p>
1	<p>Part -A 3. Basonym and Synonyms of dravyas(Aushadha&Ahara) mentioned in vedic compendia, Brihatrayee, Bhavaprakash and Rajanighantu.(Synonyms in Bhavaprakashnighantu should be focused). Plant no-1-65 Nice to know plants no 23-44 6. Sandigdhadravya (controversial drugs) vinischaya. Part -B 3. Knowledge of biodiversity, endangered medicinal species. 4. Knowledge of TKDL, Introduction to relevant portions of following Acts – Drugs and Cosmetic Act, Drug & Magic Remedies Act, FSSA, AFA, Wildlife & Biodiversity Acts & Intellectual property Right (IPR) and Regulations pertaining to Import and Export of Ayurvedic Drugs.</p>
2	<p>Part -A 3. Comprehensive study of karma as defined in Brihatrayee&Laghutrayee.</p>

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	4. Detailed study of guna& karma of dravyas listed API and BhavaprakashaNighantu along with current research review. Part -B 4. Studies on changes occurring in purification of poisonous plants drugs.
3	Part -A 1. BhaishajyaprayogaSiddhant [Principles of drug administration]-BhaishajyaMarga (routes of drug administration), Vividhakalpna (dosage forms), Principles of Yoga Vijnan(compounding),Matra(dosage),Anupana(Vehicle),AushadhaSevanakal, (shedules of drug administration), Sevankalavadhi (duration of drug administration), Pathyapathya (Do's &Don'ts), Complete Prescription writing (SamagraVyavasthapatraka). Part -B 3. Knowledge of clinical pharmacology and clinical drug research as per GCP guidelines.
4	Part -A 3. Detailed study of Ekala Aushadhakalpna (manufacturing of dosage forms of single drugs) mentioned in Sharangadharasamhita and Ayurvedic Formulary of India (AFI). Part -B 3. Knowledge of pharmacopoeias of different countries- API, BHP.

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Practical

1. Study Tours:

Field identification of medicinal plants through at least five local Dravyaguna study tours. Within the state and one study tour out of state and preparation of minimum 50 herbarium sheets along with prajoyanga (raw drug). Field visit should also include demonstration of cultivation practices of important medicinal plants.

2. Evaluation of Crude Drugs:

Macro and micro-scopic methods of examining three drugs of each of different useful parts of plants, including their powders.

3. Phytochemical evaluation of raw material:

Qualitative and Quantitative analysis like foreign matter, extractive (water and alcohol), ashvalue, acid insoluble ash and TLC separation of various parts of minimum two plants of Ayurvedic Pharmacopoeia of India.

4. Pharmacology:

Rasa nirdharana by Taste Threshold method of minimum one drug for each of rasas. Observation of animal experimentation models (both in vitro and in vivo) for any five pharmacological activities cited in paper II.

5. Practical Training:

Posting for minimum one month in each of the following units-

- Quality control laboratory of nearest pharmacy/institution for crude drug identification, adulterants and substitutes & understanding standardization techniques. Experimental Pharmacology Laboratory for developing skill in animal experimentation.
- Regular clinical training in the Teaching hospital for submission of record of Ekala Aushadhi Prayoga(single drug trial/clinic-pharmacological studies.) & adverse drug reaction (ADR).

6. Dissertation:

A Dissertation, as per the approval of Departmental Research Committee/Competent Committee for the purpose, be prepared under the guidance of approved supervisor in Dravyaguna and submitted 06 months before the final examination. The approval of Dissertation shall be pre-requisite for appearing in the final examinations.

7. Post Graduate scholar is expected to present minimum two scientific papers in National/international seminars during the course of study.

8. Post Graduate scholar is expected to publish / get accepted at least one paper in journal as per PG regulations under the supervision of guide.



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