

### Purva Khandesh Kushtha Seva Mandal Sanchalit

## Chaitanya Ayurved Mahavidyalaya

"Chaitanyavan" N.H.No.6, A/p.Sakegaon, Tal.Bhusawal, Dist.Jalgaon, (Maharashtra) - 425201, Mb.No. 8459964934

Web :- camsakegaon.org, E-mail :- ayurvedchaitanya@yahoo.in Hospital :- Jamner Road, Bhusawal - @ 02582- 240661, 240861

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# Sanskrit and Avurved Itihas - Learning Outcomes Course code- AyUG SN & AI

CO No.	Course learning Outcomes (CO) AyUG SN & AI At the end of the course AyUG SN & AI, the student should be able to -
CO1	Read and recite Prose (गद्य:) and poem (पद्य:) With the
	appropriate accent
CO2	Apply various Technical Term in Ayurveda (परसभाषाशब्दाः)
	Nouns & Pronoun (नामरुपानण तथा सर्यनामरुपानण), Verb
	(धातुरुपानण ) Suffix (प्रत्यया:)Grammatical Term (सांज्ञा) Syntax
	(सांधी) and Compounds (समासा:)from Sanskrit Grammar for
	enhanced interpretation of Ayurveda texts
CO3	Discriminate and interpret the Cases & meaning (नर्भाक्तत्यथय)
	used in various verses of Ayurveda texts
CO4	Formulate the Prose order (अन्य:) of slokas / Sutras in
	Ayurveda Textbooks (सांनहता) to derive the meaning to
	determine the Scientific Meaning (शास्त्रथय) and to Translate
	( Regional or other language ).
CO5	Interpret the Synonyms and Derivations (ननरुनी)of Ayurveda
	Term Using Sanskrit dictionaries
C06	Speak, Write and Summarize and Express in Sanskrit
C07	Develop the ethical responsibility toward the profession, Society and human being







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### Samhita Adhyayan1 UG Learning Outcomes Course code - AYUG SA1

CO No.	Course learning Outcomes (CO) AyUG SA1 At the end of
	the course AyUG-SA1, the students should be able to
CO1	Distinguish the different Samhitas, their importance and
	methodology and familiarize with the tools of Samhita
	Adhyayan. (eg: tantrayukti)
CO2	Interpret and apply the sutras from the Samhitas.
CO3	Apply and evaluate the Tridosha, Saptadhatu and Mala
	principles (theory)
CO4	Practice and prescribe Dincharya (daily regimen),
	Ritucharya (seasonal regimen) and dietary principles for
	preservation of health.
CO5	Explore and distinguish different types of food, food groups
	and
	medicinal dravyas mentioned in Samhitas.
C06	Identify various etiopathological factors and predict
	different treatment principles
CO7	Recognize and explain the fundamentals behind various
	therapeutics (Shodhan and allied) and par surgical
	therapies
C08	Develop a code of behavior and show mature behavior in
	particular to the scientific deliberation





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### Padartha Vijnanam (Fundamental Principles of Avurveda and Quantum Mechanics)-UG Learning Outcomes

### Course code- AyUG-PV

CO No.	Course learning Outcomes (CO) AyUG-PV At the end of the course AyUG-PV, the student should be able
	to
CO1	Illustrate the scope and utility of Ayurveda
CO2	Explain Philosophical foundation of Ayurveda, Principles
	(Siddhantha) of Darshana along with their similarities and
	relevance in Ayurveda and contemporary sciences.
CO3	Analyse and interpret Padartha (Prameya) in Darshana and
	Ayurveda Recognize their applications in Ayurveda
CO4	Distinguish, analyse and apply concept of Pramana shastra
	(Epistemology) in Darshana and Ayurveda. Demonstrate their
	applications in Ayurveda.
CO5	Analyse and apply concept of Karya Karana Bhava in Auyrveda.
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# Kriya Sharir (Human Physiology)- UG Learning Outcomes Course code- AyUG KS

CO No.	Course learning Outcomes (CO) AyUG KS
	At the end of the course AyUG-KS, the student should be
	able to
CO1	Explain all basic principles & concept of KriyaSharir along with
	essentials of contemporary human physiology and
	biochemistry related to all organ systems.
CO2	Demonstrate and communicate normal and abnormal
	variables pertaining to KriyaSharir.
CO3	Differentiate between Prakriti and Vikriti in the individuals
	after carrying out relevant clinical examinations.
CO4	Carry out clinical examination and experiments using
	equipment with interpretation of their results
CO5	Differentiate the strengths & limitations of Ayurved and
	contemporary sciences
C06	Present a short project work/research activity covering the
	role of KriyaSharir in preventive and pro-motive healthcare
C07	Show a sense of curiosity and questioning attitude towards the
	life processes and to display compassion and ethical behavior
C08	Effectively communicate verbally and in writing preferably
	using Ayurvedic terminology along with contemporary
	terminology among peers, teachers, and community



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### Rachana Sharir (Human Anatomy)- UG Learning Outcomes

Course code- AyUG RS

CO No.	Course learning Outcome (CO) AyUG RS At the end of the
	course AyUG RS, the student should able to be
CO1	Describe the fundamentals of Rachana Sharir, interpret, and analyze it in relevant context and recognize its significance in Ayurveda.
CO2	Explain Garbha Sharir and Embryology in Ayurveda and modern science respectively with clinical significance.
CO3	Describe and demonstrate all the bones and joints with attachments of associated structures and its clinical application.
CO4	Explain the concept of Sira-Dhamani-Strotas, their organization in the human body and its applied aspect
CO5	Identify the Marmas and understand its classification along with its importance in preventive and therapeutic aspect.
C06	Explain and demonstrate the gross anatomy of the organs of various systems and their applied anatomy in perspective of Ayurveda and Modern science.
CO7	Explain the Indriya Sharir and Sensory organs with its application in preventive and therapeutic domain.
C08	Identify and locate all the structures of body and mark the topography of the living Sharir
CO9	Respect the cadaver and perform dissection with commitment to reiterate the theoretical aspect of Ayurve Rachana Sharir and contemporary sciences.
CO10	Describe the basic principles of imaging technologies and identify the anatomical structures in the radiograph.





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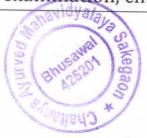
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# Dravyaguna Vigyan -UG Learning Outcomes Course code- AvUG-DG

CO No.	Course learning Outcomes (CO) AyUG-DG At the end
	of the course AyUG-DG, the students should be able
	to
CO1	Knowledge about the therapeutic properties of medicinal plants, including their actions on different body systems such as digestive, respiratory, circulatory, nervous, etc. I helps in Application of principles of dravyaguna in clinical practice.
CO2	Encouraging research and innovation in the field of medicinal plants, including exploring new plant sources extraction methods, formulation techniques, etc.
C03	Understanding the regulatory framework governing the uses of medicinal plants, including regulations related to cultivation, harvesting, processing, and marketing.
CO4	Knowledge about the safety profile and potential toxicity of medicinal plants, including factors influencing their toxicity and precautions for their safe use.
CO5	Students acquire skills in the identification, authentication, and quality assessment of medicinal plants, including methods like macroscopic and microscopic examination, chemical analysis, etc.





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### Rasashastra evam Bhaishaiyakalpana - UG Learning Outcomes Course code- AyUG-RB

CO No.	Course learning Outcomes (CO) AyUG'RB At the end of the course AyUG-RB, the students should be able to
CO1	Acquire knowledge about basic principles of_Rasshastra & Bhaishajya kalpana.
CO2	Demonstrate application of principles of ayurvediya Aushadhi Nirmana . (Ayurvedic Pharmaceutics).
CO3	Demonstrate application of principles of ayurvediya Aushadhi Prayog.(Clinical pharmacology).
CO4	Prepare ayurvedic Formulations in adherence to quality control parameters for raw materials, in process, and finished products.
CO5	Justify rationality of selection of administration of ayurvedic formulations.
C06	Appraise research in current and emerging trend in ayurvedic pharmaceuticals and allied sciences.





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# Rog Nidan evam Vikriti Vigyan -UG Learnine Outcomes Course code- AyUG-RN

CO No	Course learning Outcomes (CO) AyUG-RN at the end of
	the course AyUG-RN, the students should be able to
CO 1	Identify the morbidities in accordance with principles of
	Ayurveda pathology (vikriti vigyan siddhanta)
CO 2	Describe the basic, general, and systemic pathological
	process thereby applying it in reaching a diagnosis
CO 3	Perform appropriate clinical examination (pareeksha)
	utilizing Ayurveda and contemporary principles
	(samakalina siddhanta)
CO 4	Order and interpret various diagnostic laboratory
	investigations and imaging
CO 5	Diagnose and present the case with clinical reasoning
	(naidanika tarka)
CO 6	Follow and advise advancements in diagnosis (vyadhi
	vinischaya) and prognosis (sadhya asadhyata) in clinical
	practice (naidanika adhyayana)
CO 7	Communicate effectively with the patient (rugna), relative
	(bandhujan) and other stakeholders (anya hita dhaaraka)
CO 8	Demonstrate ethics (sadvritta), compassion (karuna) and
	possess qualities of a clinician (vaidya guna)





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# Samhita Adhvavan 2 -UG Learnins Outcomes Course code- AvUG-SA2

CO No	Course learning Outcomes (CO) AyUG-SA2 At the end of
	the course AyUG-SA2, the students should be able to
CO 1	Justifu the Methodology of structuring samhitas and appraise
	the importance of tools of decoding Charakasamhita
	(Tantrayukti andvyakhyana)
CO 2	Relate and intelpret various references of concepts in
	Charakasamhita.
CO 3	Explain and interpret biological factors and their
	measurements in the manifestation of diseases.
CO 4	Explain and utilize various siddhantas in different
	dimensions of clinical practice.
CO 5	Demonstrate the knowledge of dravya and adravya based
	therapeutics.
CO 6	Apply diagnostic guidelines regarding diseases including
	arishtalakshana based on the principles mentioned in
	Charakasamhita
CO 7	Explore the determinants of health in the background of
	Charakasamhita.
CO 8	Develop ethical professional and moral codes and conducts
	as a physician





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# Agad Tantra evam Vidhi Vaidvaka- UG Learning Outcomes Course code- AyUG AT

CO No	Course learning Outcomes (CO) AyUG AT, At the end
	of the course AyUG-AT , the student should be able to -
CO 1	Demonstrate application of fundamental concepts of
	Agada Tantra, Vyavahara Ayurveda and Vidhi vaidyaka in
	real life situations.
CO 2	Diagnose and manage acute and chronic poisoning due to
	Sthavara, Jangama and Kritrima visha along with their
	contemporary relevance.
CO 3	Demonstrate application of concepts of Dushivisha,
	Garavisha and Viruddha ahara in prevention, diagnosis
	and management of diseases.
CO 4	Demonstrate application of principles of Agada Tantra
	and therapeutic administration of common Agada yoga
	and Visha dravya in Clinicai practice.
CO 5	Appreciate research updates in relevance to Agada Tantra
	and apply for healthcare promotion and social awareness.
CO 6	Demonstrate application of professional skills of Forensic
	Medicine in handling medico legal issues.
CO 7	Demonstrate professional and ethical behavior in
	discharging the medicolegal duties and responsibilities in
	abidance to the law.





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# Swasthavritta evam Yoga -UG Learnins Outcomes Course code- AvUG-SW

CO No	Course learning Outcomes (CO) AyUG-SW At the end of the
20.4	course AyUG-SW, the students should be able to
CO 1	Demonstrate application of principles of Swasthavritta in
	lifestyle modifications.
CO 2	Assess the health status and advise preventive & promotive
	measures according to Ayurveda principles.
CO 3	Demonstrate and advise Yoga and Naturopathy as health
	promotive and disease preventive regimen.
CO 4	Understand and apply the principles and components of
	primary health care and health policies to achieve the goal
	of health for all.
CO 5	Advocate and propagate preventive principles of Ayurveda
	and contemporary sciences through Information,
	Education and Communication(IEC)
CO 6	Conduct community surveys and apply epidemiological
	principles for the assessment of health & morbidity as a
	community physician
CO 7	Demonstrate skills and research aptitude for the promotion
	of health and prevention of diseases





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### Streeroga evum Prasutitantra - UG Learning Outcomes

CO No.	Course learning Outcomes (CO) of Streeroga evum prasutitantra, At the end of the course Streeroga evrrm prasutitantrq the students should be able to
CO1	Recognize the importance of Ayurvedic Principles in the context of diagnosis, Prognosis, management and treatment of the patient
CO 2	Adopt the skillof diagnosis and treatment of diseases on the basis of clinical assessment and appropriately selected and conducted investigation
CO 3	Should be able to carry out quick assessment of patient on the basis of available clinical and investigational information with efficient & operative management
CO 4	Adopt the skill of conducting sthanik chikitsa (Yoni dhavan,pichhu,puran,dhupan,uttarbasti etc.)
CO 5	Adopt the communication skill of counselling garbhsanskar.





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## Kaumarbhrutva -UG Learning Outcomes

Co No	Course learning Outcomes (CO) of Kaumarbhrutya At the end of the course Kaumarbhrutya, the students should be able to
C01	Define New born, and Pediatric care with their diseases.
CO2	Identify the scope of Ayurvedic management of Pediatric diseases, vaccination, Basic Resuscitation, and recent advances in the field of Kaumarbhritya.
CO3	State the indications for NICU/PICU admission
CO4	Recognize the scope and limitations while treating patients like Newborns and Pediatrics.
CO5	Describe and apply the advances in kaumarbhritya for Pediatric patients.
C06	Perform the basic panchkarma, vaccination procedures for children.
C07	Discuss and explain the National immunization schedule, programs related to the Pediatric population, and protocol for NICU and PICU admission.





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### Charak Uttarardha -UG Learning Outcomes

CO No.	Course learning Outcomes (CO Charak Uttarardha At the end of the course Charak Uttarardha, the students should be able to
CO 1	Understand the Chikitsa mentioned in Charaka Samhita.
CO 2	Recognize and demonstrate knowledge of Kalpa mentioned in Charaka Samhita
CO 3	Understand PanchakarmaYyapat and their Chikitsa mentioned in Charaka Samhita.
CO 4	Justify the Methodology of structuring Samhitas and appraise the importance of tools of decoding Charakasamhita (Tantrawkti)
CO 5	Apply diagnostic guidelines regarding diseases and lakshana based on the principles mentioned in Charakasamhita
CO 6	Effectively communicate verbally and recommend Ayurvedic drugs for patients
CO 7	Explain and utilize various Siddhantas in different dimensions of clinical practice.





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# <u>Kaychikitsa - UG Learning Outcomes</u>

CO No.	Course learning Outcomes (CO) of Kaychikitsa At the end
	of the course Kaychikitsa, the students should be able to
CO 1	Understand the concept of kaya in details with rogmars asthsthanpariksha, dwividhopkramniya, shadvidhupkrma and practical applications of these concepts in the diagnosis and management of diseases.
CO 2	Understand The Nutritional Deficiencies And Their Management
CO 3	Understand The Concept Of Vardhkyajanit Vicar According To Ayurveda And Modern Science.
CO 4	Understand The Concept Of Environmental And Iatrogenic Factors, Food Allergy With Their Management.
CO 5	Understand The Concept Of Jwar According To Ayurveda And Modern Science, Also Understand The Concept Of Different Viral Fevers And Their Management.
CO 6	Understand The Basic Principle Of Rasayan And Vajikaran And Their Practical Application In Various Diseases.
CO 7	Know The National Health Programs And Ayurvedic Management Of Malaria, Filariasiskala-Azar, Leprosy, Tuberculosis And AIDS.
CO 8	Know The Management Of Endocrine Disorders, Vyadhikshmatva, Yoga And Naturopathy And Auto Immune Disorder.
CO 9	Know The Management Of Emergency Condition.
CO 10	Know The Management Of All The Vyadhis Of All Sortasas And Their Correlation To Modern Science Along With Their Management.



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# Panchakarma - UG Learning Outcomes

CO No.	Course learning Outcomes (CO) of Kaychikitsa At the end of the
	course Kaychikitsa, the students should be able to
CO 1	To understand fundamental principles of panchakarma with respect to Antha (Internal) and bahiparimarjana (external)chikitsa (treatments), kriyakala (Treatment according to stages of diseases), Shadavidha upkarma (6 major principles of management), koshta (Metabolic functions) and agn (Digestive functions)etc. with their applied aspects.
CO 2	To get knowledge of Preparation, Method of administration, Uses (Indications & Contraindications), probable mode of actions, and management of complications etc. of different Panchakarma modalities.
CO 3	To gain knowledge of different panchakarma modalities in promotion of health, prevention and treatment of disease.
CO 4	To get knowledge and Practical exposure of different ancient and contemporary instruments and equipment's used in panchakarma theatre in small scale and large scale along with their applications and modifications.
CO 5	karma (Pre- main and post procedural) of different panchakarma modalities with their Significance.
CO 6	To get knowledge of different systemic examination viz neurological, cardiovascular, Respiratory, Integumentary and locomotory etc. with their applied aspect.
CO 7	To know concepts of clinical physical medicine and its treatment modalities viz infrared, Paraffin wax bath, short term diathermy etc. Clinical use of massage, manipulation and physiotherapy etc.
CO 8	reference to their dosage, route, method of administration and times of administration for the management of various disorders through patient exposure in specialized OPD's and IPD.
CO 9	To know various Aushadha and Ahara Kalpana (medicines & food) with their importance in panchakarma
CO 10	To gain Knowledge of quality standards of NABH (National Accreditation Board of Hospitals), management of biomedical waste regarding panchakarma theatre.



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### Shalyatantra - UG Learning Outcomes

CO No.	Course learning Outcomes (CO) of Shalyatantra At the
	end of the course Shalyatantra, the students should be able to
CO 2	Must have through knowledge of sterilization, fumigation, asepsis antisepsis methods & Para surgical. Surgical procedure & routine ward technique like suturing, dressing skills, I & D of abscess, cystic swelling excision, vene section, catheterization, application & utility of Kshar, Ksharsutra & Agni karma procedure, various techniques of Raktamokshan.
CO 3	To adopt communication skill with diagnosis & treatment of patients individually with integrative approach.
CO 4	To obtain knowledge of Pre-operative & Post-operative care of the patients under guidance of faculty with basic knowledge of aesthesis & management of complications.
CO 5	Able to attend casualty patients & their emergency treatment.
CO 6	To obtain knowledge of X-ray, CT scans, MRI & various radiological & laboratorial diagnostic test & their interpretation clinically & practically.
CO 7	Independently able to diagnose surgical diseases, their laboratory & radiology investigations with interpretation.
CO 8	To get evidence-based practice of Ksharsutra in the field of Anorectal disorders & promoting research in the field of parasurgery (Agni karma, Ksharkarma & Raktamokshan), Asthi-Sandhi-Marma Rog, Mutra Rog, Shashti upakram to fulfill emerging needs of society.



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### Shalakya Tantra - UG Learning Outcomes

CO. No.	Course learning Outcomes (CO) of Shalakya Tantra At the end of the course Shalakya Tantra, the student should be able to.
CO 1	Explain the basic knowledge of Eye, ENT, and Orodental diseases.
CO 2	Identify and recognize the scope of Ayurvedic management of eye, ENT, Oro dental diseases.
CO 3	Describe and apply the advances in the field of Shalakya.
CO 4	Apply profession-specific knowledge, clinical skills, and professional studies in the provision of evidence-based patient centric care.
CO 5	Demonstrate various kriyapaklpa under supervision.
CO 6	Communicate effectively and humanely with patients of the Eye, ENT, Oro dental.





#### Purva Khandesh Kushtha Seva Mandal Sanchalit

### **Chaitanya Ayurved Mahavidyalaya**

"Chaitanyavan" N.H.No.6, A/p.Sakegaon, Tal.Bhusawal, Dist.Jalgaon, (Maharashtra) - 425201, Mb.No. 7666797338

Web :- camsakegaon.org, E-mail :- ayurvedchaitanya@yahoo.in Hospital :- Jamner Road, Bhusawal - ত 02582- 240661, 240861

Ref. No.

Date:

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# Research Methodology and Medical Statistics - UG Learning Outcomes

Co No.	Course learning Outcomes (CO) of Research Methodology and Medical Statistics, At the end of the course Research Methodology and Medical Statistics the students should be able to.
	Inculcate research methodology and need for Ayurvedic
CO 1	research.
CO 2	Describe basic concepts of research and medical statistics.
CO 3	Differentiate all types of research designs.
CO 4	Enlist the basic steps of the Research process.
CO 5	Enumerate and classify the different types of publications.
CO 6	Describe concept and importance of ethics in research.
CO 7	Define the term medical statistics.
CO 8	Classify and differentiate various types of data.
CO 9	Explain and apply the use of descriptive statistics.
CO 10	Apply different types of parametric and non-parametric tests

