

DEPT. OF SAMHITA, SUBJECT – MAULIK SIDDHANTA & ASHTANG HRIDAYA

Course Outcomes for Course: Basic principles

Topic	Must Know	Desirable to Know	Nice to know
Basic principles 1- Semester	<ul style="list-style-type: none"> • Ayurved Avataram & Eight branches (Explain Ayurved avataram and eight branches) 	Define eight branches of Ayurveda with example)	Clinical importance of eight branches.
	<ul style="list-style-type: none"> • Details of dosha Define number, seat, functioning time of dosha, Characteristic, treatment of dosha and increase and decrease of dosha 	Sign and symptoms of increase and decrease of Doshas	Samsarga and Sannipat of doshas
	<ul style="list-style-type: none"> • Agni and koshta (Define types of Agni and koshta) 	Relation of agni and koshta with constitution	Clinical importance of agni and koshta in diagnosis and treatment
	<ul style="list-style-type: none"> • Dhatu and Mala (Define type of Dhatu and Mala) 	Function of Dhatu	Dushyas
	<ul style="list-style-type: none"> • Rasa Virya Vipak • (Define Rasa Virya Vipak, its types) 	Relation of Rasa Virya Vipak with doshas	Importance of Shadras in diet
	<ul style="list-style-type: none"> • Qualities of Dravyas (Define qualities of Dravas) 	Define 20 qualities of dravyas with example	Importance of Dravyagunas in medicine
	<ul style="list-style-type: none"> • Cause of disease, types, seats and examination of patient and disease 	Importance of Rog-Rogi pariksha in clinical practices	How will you do Rog-Rogi pariksha in case of fever

	(1. Define Cause of disease, types, seats 2. Define Rogi- Rog Pariksha and its types)		
	• Times of drug administration and types of drug (define Times of drug administration and types of drug)	Factors affecting time of drug administration	Importance of Shaman and Shodhan drugs in treatment
	• Treatment of Doshas and Manas dosha (Define various types of treatment of Doshas and Manas doshas)	Significance of Manas Dosha chikitsa	Importance of Manas doshas treatment in present era
	• Four limb of treatment (Define qualities of four limbs of treatment)	Most important limb of treatment	Significance of medicine in treatment
	• Sadhya- Sadhyata of diseases (Define Sadhya- Sadhyata of diseases with example)	Examples of Sukhasadhya Vyadhis	Examples of patients to be rejected for treatment
	• Various Sthanas of Ashtang Hriday (Define various Sthanas of Ashtang Hriday and numbers of chapters included in Various Sthanas)	Importance of various Sthanas of Ashtang Hriday	Significance of Sutrasthan

Student should be able to-

CO-1: Explain ayurved avataran and eight branches

CO-2:- Define number, seat, functioning time of dosha, characteristic, treatment of dosha and increase and decrease of dosha

CO-3:- Define types of Agni and Koshta

CO-4:- Define type of Dhatu and Mala

CO-5:- Define Rasa Virya Vipak, its types

CO-6:- Define qualities of Dravas

CO-7:- Define Cause of disease, types, seats

CO-8:- Define Rogi- Rog Pariksha and its types

CO-9:- Define Times of drug administration and types of drug

CO-10:- Define various types of treatment of Doshas and Manas doshas

CO-11:- Define qualities of four limbs of treatment

CO-12:- Define Sadhya- Sadhyata of diseases with example

CO-13:- Define various Sthanas of Ashtang Hriday and numbers of chapters included in Various Sthanas

Course Outcomes for Course: Fundamentals of health

Topic	Must Know	Desirable to Know	Nice to know
Fundamentals of health 1- Semester	<ul style="list-style-type: none">Dincharya(Daily regimen) (Define various aspects of Dincharya)	Importance Dincharya in Ayurved	Effect of Dincharya in prevention of diseases
	<ul style="list-style-type: none">Rutucharya(seasonal regimen) (Define regimen according to Rutucharya)	Importance Rutucharya in Ayurved	Effect of Rutucharya in prevention of diseases
	<ul style="list-style-type: none">Adharniyavega and Dharniya Vegas (Define Adharniyavega vega, diseases due to adharniya vegas and its treatment)	Define Dharniya Vegas	Importance of Dharniya vegas in maintenance of health



Student should be able to-

CO-1: Define various aspects of Dincharya

CO-2: Define regimen according to Rutucharya

CO-3: Define Adharniyavega vega, diseases due to adharniya vegas and its treatment

Course Outcomes for Course: Dietetics

Topic	Must Know	Desirable to Know	Nice to know
Dietetics	<ul style="list-style-type: none">• Physiological and pharmaco-therapeutical properties of liquids and liquid drugs1. Define qualities of various sources of water.2. Define qualities of milk and milk products3. Define various qualities of cane juice and its products4. Define Qualities of honey5. Define various oils and Madhya with its characteristics	Importance of liquid in diets according to Ayurveda	Importance milk and milk products
	<ul style="list-style-type: none">• Sources of food, their preparation and their qualities1. Define spiked rice(Shuka Dhanya) varga2. Define various pulses(Shimbi Dhanya)	Members of Shuka and Shimbi Dhanya	Types o various salt and alkaline substances

	<p>and soups</p> <ol style="list-style-type: none"> 3. Define various land and aquatic animals 4. Define leafy vegetables (Shaka Varga) 5. Define Phalavarga 6. Define various salt and alkaline substances 7. Define Triphala, Trijatak, Chaturjatak, Trikatu, Panchakola, various Panchamula 		
	<ul style="list-style-type: none"> • Prevention and protection of food from contamination <ol style="list-style-type: none"> 1. Define characteristic of poisoned food and person 2. Testing of poisonous food by various method, its effect and treatment 3. Define viruddha or incompatibility 4. Explain Nidra in details with intercourse rules 	<p>Indemnification of food poisoning</p>	<p>Importance of sound sleep in modern era</p>
	<ul style="list-style-type: none"> • Limit of food intake <ol style="list-style-type: none"> 1. Define various limit of food intake And related disease 2. Define Alasak, Visuchika, Dandaalasaka, Ama Visha and its treatment 3. Define various Ajirna and its treatment 	<p>Importance Ama</p>	<p>Rule and regulation of food intake for proper health</p>

	<p>4. Regulation of food intake (Bhojan Niyam)</p>		
	<ul style="list-style-type: none"> • Dravya and its Rasa, Guna, Virya, Vipak, Prabhav <p>1. Define Rasa, Virya, Vipak, Prabhav with examples</p> <ul style="list-style-type: none"> • Drugs predominant of various Panchamahabhutas <p>1. Mentioned drugs predominant of various Panchamahabhutas</p>	<p>Correlation of Rasapanchak</p>	<p>Peculiarities of Prabhav in ayurveda</p>
	<ul style="list-style-type: none"> • Rasa <p>1. Define various type of Rasa, its origin, identification, functions</p>	<p>Effect of Rasa on dosha</p>	<p>Importance of shadrasa</p>
	<ul style="list-style-type: none"> • Drugs according to shadrasa <p>1. Define various drugs according to Shadrasa</p>	<p>Define Rasa of Amla</p>	<p>Shadrasa chikitsa</p>

Student should be able to-

- CO-1: Define qualities of various sources of water.
- CO-2. Define qualities of milk and milk products
- CO-3. Define various qualities of cane juice and its products
- CO-4 Define Qualities of honey
- CO-5. Define various oils and Madhya with its characteristics
- CO-6:- Define spiked rice(Shuka Dhanya) varga
- CO-7:- Define various pulses(Shimbi Dhanya) and soups
- CO-8:- Define various land and aquatic animals
- CO-9:- Define leafy vegetables (Shaka Varga)
- CO-10:-Define Phalavarga
- CO-11:-Define various salt and alkaline substances
- CO-12:-Define Triphala, Trijatak,Chaturjatak, Trikatu, Panchakola, various Panchamula
- CO-13:- Define characteristic of poisoned food and person
- CO-14:-Testing of poisonous food by various method, its effect and treatment
- CO-15:-Define viruddha or incompatibility
- CO-16:-Explain Nidra in details with intercourse rules
- CO-17:-Define various limit of food intake And related disease
- CO-18:-Define Alasak, Visuchika, Dandaalasaka, Ama Visha and its treatment
- CO-19:-Define various Ajirna and its treatment
- CO-20:-Regulation of food intake (Bhojan Niyam)
- CO-21:-Define Rasa, Virya, Vipak, Prabhav with examples
- CO-22:-Mentioned drugs predominant of various Panchamahabhuatas
- CO-23:-Define various type of Rasa, its origin, identification, functions

CO-24:-Define various drugs according to Shadrasa

Course Outcomes for Course: Aushadhi vigyan

Topic	Must Know	Desirable to Know	Nice to know
Aushadhi vigyan I semester	Classification of drugs 1.Explain drugs which are emetics, purgatives, used for enema, which purifies head, which pacify doshas, 2. mention various groups mentioned in Shodhanadi gana	Description of best Vamak drug	Explain any two groups in details
	<ul style="list-style-type: none">• Snehana drug 1. Explain properties or qualities of Snehan drug	Characteristic of Snehan drugs	Effect of snehan drugs on doshas
	<ul style="list-style-type: none">• Swedan dravyas Mentioned drugs used for Sweda	Characteristic of swedan drugs	Effect of swedan drugs on doshas
	<ul style="list-style-type: none">• Vamak drug Mention the names of vamak drugs	Characteristic of vamak drugs	Effect of Vamak drugs on doshas

	<ul style="list-style-type: none"> • Niruha and Anuvasan Basti drugs <p>Drugs used for Niruha and Anuvasan Basti</p>	Characteristic of Niruha and Anuvasan Basti drugs	Effect of Niruha and Anuvasan Basti drugs on doshas
	<ul style="list-style-type: none"> • Nasya drugs <p>Mentioned the name of drugs used for various types of Nasya</p>	Characteristic of Nasya drugs	Effect of Nasya drugs on doshas

Student should be able to-

CO-1:-Explain drugs which are emetics, purgatives, used for enema, which purifies head, which pacify doshas,

CO-2:- mention various groups mentioned in Shodhanadi gana

CO-3:-Explain properties or qualities of Snehan drug

CO-4:-Mentioned drugs used for Sweda

CO-5:-Mention the names of vamak drugs

CO-6:-Drugs used for Niruha and Anuvasan Basti

CO-7:-Mentioned the name of drugs used for various types of Nasya

Course Outcomes for Course: Science of Dosha

Topic	Must Know	Desirable to Know	Nice to know
<p>Science of Dosha 2- Semester</p>	<p>Dosha, Dhatu, Malas, Ojas</p> <p>Define physiologic function Dosha, Dhatu, Malas, Ojas and its increase and decrease sign and symptoms with treatment</p>	<p>Importance of mala and Ojas in ayurveda</p>	<p>Importance of Ojas in maintenance of good health</p>
	<ul style="list-style-type: none"> • Types of Dosha <ol style="list-style-type: none"> 1. Define types and seats of Dosha, Chay Prakop, its causes, correlation with sensory organs, with season, with activity, external & internal pathway to disease, abnormal function of doshas 2. Three types of doshas, characters and treatment of trividha rogas 3. types of disease, primary & secondary diseases, treatment 	<p>Importance of shodhan chikitsa according to season</p>	<p>Importance of primary disease treatment</p>
	<ul style="list-style-type: none"> • Doshik aggravation 	<p>Importance of Aushadhi kala in Ayurveda</p>	<p>Precaution to be taken for under and over treatment</p>

	Treatment of aggravation of doshas and their combination, mode of spreading, season for purification and Aushadhi kala, characteristic of under and over treatment		
	<ul style="list-style-type: none"> Two types of therapy <p>Explain two types of therapy, its subtypes, its method, person fit- unfit for therapy</p>	Factors responsible for selection of treatment	Complication of over treatment of santarpan and apatarpan

Student should be able to-

CO-1: Define physiologic function Dosha, Dhatu, Malas, Ojas and its increase and decrease sign and symptoms with treatment

CO-2. Define types and seats of Dosha, Chay Prakop, its causes, correlation with sensory organs, with season, with activity, external & internal pathway to disease, abnormal function of doshas

CO-3. Three types of doshas, characters and treatment of trividha rogas

CO-4. types of disease, primary & secondary diseases, treatment

CO-5 Treatment of aggravation of doshas and their combination, mode of spreading, season for purification and Aushadhi kala, characteristic of under and over treatment

CO-6:- Explain two types of therapy, its subtypes, its method, person fit- unfit for therapy

Course Outcomes for Course: Purva Karma

Topic	Must Know	Desirable to Know	Nice to know
Purva Karma 2- Semester	<ul style="list-style-type: none"> Snehavidhi Define Sneha vidhi, properties of drugs, person fit-unfit, method, doses, follow up diet, duration, Sadya sneha, benefits, 	Importance of follow up diet after purva karma	Significance of purva karma
	<ul style="list-style-type: none"> Swed Vidhi Define types, characteristic of properly fomented person, excess fomentation, drugs used, fit-unfit person, indications, anagneya sweda, net result 	Complications of swedan vidhi	Significance of Anagneya swedan

Student should be able to-

CO-1: Define Sneha vidhi, properties of drugs, person fit-unfit, method, doses, follow up diet, duration, Sadya sneha, benefits,

CO-2: Define types, characteristic of properly fomented person, excess fomentation, drugs used, fit-unfit person, indications, anagneya sweda, net result

Course Outcomes for Course: Pradhan Karma

Topic	Must Know	Desirable to Know	Nice to know
Pradhan Karma 2- Semester	<ul style="list-style-type: none"> Vaman & Virechan (indications for emesis and Virechan, person fit and unfit, method of procedures, characters of perfect, excess, purification, diet schedule 	Importance of diet schedule after purification therapy	Treatment of excessive purification therapy
	<ul style="list-style-type: none"> Vasti Vidhi Define types, fit-unfit persons, characteristic of yantra, dosage, method, characteristic of perfect procedures. 	Importance of Vasti vidhi	Importance of Matra vasti
	<ul style="list-style-type: none"> Nasya Define importance of Nasya, types, drug used, Dhaman, fit-unfit person, timing, character of proper and improper therapy, Anu tail 	Importance of Nasya in shiroroga	Method of preparation of anutail
	<ul style="list-style-type: none"> Dhumpan (Define uses, uses according to doshas, c indications and contraindications, complication, timing, instrument, methods, drug used, results) 	Treatment of Dhuman complication	Precaution to be taken in Dhumpan
	<ul style="list-style-type: none"> Gandush (Define types, drug used, method, timing, 	Importance of daily Gandush therapy	Importance of Gandush in preventive

	difference between gandush and kaval, pratisaran, Mukhalepa, Murdhatail types, karnapuram)		of oral diseases
	<ul style="list-style-type: none"> • Ascotana and Anjan 1. Define Ascotana, complication, application, types, • 2. Define three type of Anjana, quantity, time of administration, contraindication 	Treatment of complication of Ascotan and Anjan	Importance of time of administration of Ascotan and Anjan
	<ul style="list-style-type: none"> • Tarpan and Putpak 1. Define Tarpan, Method, Dharankala, 2. Define Putpak, method, types, fit-unfit persons 	Importance of Tarpan and Putpak in modern era	Precautions for Tarpan and Putpak

Student should be able to-

CO-1: indications for emesis and Virechan, person fit and unfit, method of procedures, characters of perfect, excess, purification, diet schedule.

CO-2: Define types, fit-unfit persons, characteristic of yantra, dosage, method, characteristic of perfect procedures

CO-3: Define importance of Nasya, types, drug used, Dhaman, fit-unfit person, timing, character of proper and improper therapy, Anu tail

CO-4: Define Dhumpana, uses according to doshas, c indications and contraindications, complication, timing, instrument, methods, drug used, results

CO-5: Define Gandush types, drug used, method, timing, difference between gandush and kaval, pratisaran, Mukhalepa, Murdhatail types, karnapuram.

CO-6:- Define Ascotana, complication, application, types,

CO-7:- Define three type of Anjana, quantity, time of administration, contraindication

CO-8:-Define Tarpan, Method, Dharankala,

CO-9:-Define Putpak, method, types, fit-unfit persons

Course Outcomes for Course: Shalya-Shalaky Karma

Topic	Must Know	Desirable to Know	Nice to know
Shalya-Shalaky Karma 2- Semester	<ul style="list-style-type: none">Yantra (Definition and scope of yantra, types, Upayantra, function)	Importance of Upayantra	Peculiarity of upayantras
	<ul style="list-style-type: none">Shastra (Characters of sharp instruments, types, Karna vedhan, upashastra, functions, defects, instrument box, details of leech, alabu, bloodletting)	Precaution while handling shastra	Importance of bloodletting in ayurveda
	<ul style="list-style-type: none">Siravyadha (Define poor blood, disease due to vitiated blood, venesection, fit- unfit, various sites according to diseases, method, sign and symptoms of proper bleeding, according to dosha, complications and its treatment)	Precaution in Siravyadha	Uniqueness of Siravyadha treatment

	<ul style="list-style-type: none"> • Shalyaharan (Definition, movement of foreign body, sign and symptoms according to site of shalya, extraction methods, Anushalya) 	Importance of Anushalya	Description of Anushalya
	<ul style="list-style-type: none"> • Shastra Karma- surgical technique (Treatment of Shopha, amashopha, pakvashopha, causes, Raktapaka, Purvakarma, operative procedures, qualities of surgeon, post operative, Patta Bandhan, Pathya, details of sutures, types of bandaging and its details, maggots and its treatment) 	Importance of pakva-apakva shopha	Importance of Bandhan and sutures
	<ul style="list-style-type: none"> • Ksharagni Karma (Importance of alkali, application, contraindication, preparation of Madhyam, Mrudu, Tiksha, Kshar, indications, qualities, method of application, sign and symptoms of proper cautery, cauterizing of various parts, imperfect and excess cautery and its characters and treatment,) 	Significance of Ksharkarma	Significance of Ksharkarma over Shastra karma

Student should be able to-

CO-1: Definition and scope of yantra, types, Upayantra, function

CO-2: Characters of sharp instruments, types, Karna vedhan, upashastra, functions, defects, instrument box, details of leech, alabu, blood letting

CO-3: Define poor blood, disease due to vitiated blood, venesection, fit- unfit, various sites according to diseases, method,

sign and symptoms of proper bleeding, according to dosha, complications and its treatment

CO-4: Definition, movement of foreign body, sign and symptoms according to site of shalya, extraction methods, Anushalya

CO-5: Treatment of Shopha, amashopha, pakvashopha, causes, Raktapaka, Purvakarma, operative procedures, qualities of surgeon, post operative, Patta Bandhan, Pathya, details of sutures, types of bandaging and its details, maggots and its treatment

CO-6:- Importance of alkali, application, contraindication, preparation of Madhyam, Mrudu, Tiksha, Kshar, indications, qualities, method of application, sign and symptoms of proper cautery, cauterizing of various parts, imperfect and excess cautery and its characters and treatment,