

**COURSE CURRICULUM FOR THIRD PROFESSIONAL BAMS
(PRESCRIBED BY NCISM)**

शास्त्रं ज्योतिः प्रकाशार्थं दर्शनं बुद्धिरात्मनः।

**Prasuti Tantra evam Stree Roga
(Gynecology and Obstetrics)**

(SUBJECT CODE : AyUG-PS)

(Applicable from 2021-22 batch, from the academic year 2024-25 onwards for 5 batches or until further notification by NCISM, whichever is earlier)



**BOARD OF AYURVEDA
NATIONAL COMMISSION FOR INDIAN SYSTEM OF MEDICINE
NEW DELHI-110026**



NCISM
III Professional Ayurvedacharya
(BAMS)
Subject Code : AyUG-PS
 Prasuti Tantra evam Stree Roga
 (Gynecology and Obstetrics)

Summary

Total number of Teaching hours: 275			
Lecture (LH) - Theory		100	100(LH)
Paper I	50		
Paper II	50		
Non-Lecture (NLHT)		52	175(NLH)
Paper I	26		
Paper II	26		
Non-Lecture (NLHP)		123	
Paper I	62		
Paper II	61		

Examination (Papers & Mark Distribution)					
Item	Theory Component Marks	Practical Component Marks			
		Practical	Viva	Elective	IA
Paper I	100	100	60	10 (Set-TA)	30
Paper II	100				
Sub-Total	200	200			
Total marks	400				

Important Note :- The User Manual III BAMS is a valuable resource that provides comprehensive details about the curriculum file. It will help you understand and implement the curriculum. Please read the User Manual III before reading this curriculum file. The curriculum file has been thoroughly reviewed and verified for accuracy. However, if you find any discrepancies, please note that the contents related to the MSE should be considered authentic. In case of difficulty and questions regarding curriculum write to syllabus24ayu@ncismindia.org

PREFACE

The Indian government introduced the National Education Policy with the aim of transforming India into a knowledge-based society by providing quality education to all.

Prasuti Tantra and Stree Roga is a comprehensive and integral subject that equips students with the knowledge and skills required for the effective care of women throughout their life stages with special emphasis on reproductive health & management of pregnancy, child birth & postpartum care.

The curriculum is designed to develop a strong foundation in Ayurvedic concepts related to women's health, combined with contemporary medical knowledge, making it a dynamic and interdisciplinary subject.

In this competency based curriculum the syllabus has been crafted by blending traditional teachings & guidance with the latest scientific advancements to create a comprehensive & relevant educational experience. There is a conscious effort to incorporate a variety of innovative learning methods to ensure more practical education.

Innovative teaching methodologies, including problem-based learning (PBL), case-based learning (CBL), and simulation-based training, are integrated to encourage clinical reasoning, critical thinking, and application of theoretical knowledge. These methods help in honing the competencies necessary for handling real-life situations in Prasuti Tantra and Stree Roga practice. Vertical and horizontal integration with other subjects ensures a seamless learning process and prepares students for interdisciplinary care delivery.

Incorporating student-centric and activity-based learning, the curriculum also focuses on building competencies in areas such as patient interaction, clinical examination, diagnostic decision-making, and treatment planning. Dedicated time for clinical exposure, self-directed learning, peer learning, community outreach programs, and surveys on women's health helps students understand the diverse range of health issues faced by women across different demographics.

The curriculum is aligned with Competency-Based Dynamic Curriculum (CBDC) aims to produce confident, skilled practitioners who can diagnose and treat women's health issues effectively, keeping in mind the ancient wisdom of Ayurveda and the advances in contemporary medicine. Through traditional and modern assessment methods, students will be regularly evaluated to ensure they achieve the desired learning outcomes, contributing to both their academic success and professional development.

By the end of this course, students will not only be well-versed in Ayurvedic approaches but also adapt in contemporary medical practices, enabling them to provide high-quality, integrated healthcare to women.

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Course Code and Name of Course

Course code	Name of Course
AyUG-PS	Prasuti Tantra evam Stree Roga

Table 1 : Course learning outcomes and mapped PO

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-PS At the end of the course AyUG-PS, the students should be able to-	B1 Course learning Outcomes mapped with program learning outcomes.
CO1	Explain anatomy, physiology, neuro-endocrinology of reproduction and implement <i>Garbhini Paricharya</i> (Antenatal care), <i>Garbha Samskara</i> to achieve <i>Shreyasi Praja</i> (healthy progeny) and minimize maternal morbidity and mortality.	PO1,PO4,PO5
CO2	Explain <i>Youvanavastha</i> (Puberty), <i>Kishoravastha</i> (Adoloscence) and <i>Rajonivrutti</i> (Menopause). Diagnose <i>Yonivyapad</i> (Gynecological disorders), <i>Artava vyapad</i> (Menstrual disorders), <i>Vandhyatva</i> (Infertility), <i>StanaRoga</i> with integration of Ayurveda principles and Scientific advances for holistic management.	PO1,PO3
CO3	Perform <i>Sthanika upakrama</i> (in-situ treatment), <i>Panchakarma</i> and Surgical procedures and implement drug interventions ethically ensuring patient safety.	PO2,PO4,PO5
CO4	Perform Normal labor, anticipate Obstetric emergencies and ensure timely referral. Manage <i>Sutika</i> (normal puerperium) and <i>Sutika Vyapad</i> (abnormal puerperium). Postpartum counseling on contraceptives.	PO2,PO3,PO6
CO5	Participate in National maternal health programs and comprehend the medicolegal aspects related to <i>Prasuti tantra and Stree Roga</i> including the MTP ACT and PC-PNDT ACT.	PO6,PO7
CO6	Demonstrate professional ethics, communication skills with compassionate attitude, engage in clinical research embracing the principles of lifelong learning and professional development.	PO6,PO8,PO9

Table 2 : Contents of Course

Paper 1 (PRASUTI TANTRA - OBSTETRICS)						
Sr. No	A2 List of Topics	B2 Term	C2 Marks	D2 Lecture hours	E2 Non- Lecture hours Theory	E2 Non- Lecture hours Practical
1	Stree Vishishta Shareera Vigyana - Anatomy of Female Reproductive System a. Introduction to <i>Prasuti Tantra</i> and <i>Stree Roga</i> . Origin of word " <i>Stree</i> " with nomenclature. (<i>Vayobheden Stree sangya</i>) b. <i>Tryavarta Yoni</i> and anatomical insights of <i>Garbhashaya</i> with <i>marma, peshi</i> . c. <i>Artavavaha</i> and <i>Stanyavaha Srotas</i> . d. Anatomy of Female internal and external genital organs with applied aspects. e. <i>Streeshroni</i> (Female Pelvis) -Types, Diameters and Obstetric significance.	1	30	3	2	4
2	Rutuchakra - Menstrual Cycle a. <i>Shuddha Artava & Shuddha Shukra Lakshana</i> . b. <i>Tridosha & Panchamahabhoota</i> in <i>Rutuchakra</i> . c. Practices of <i>Rajaswala Paricharya</i> and its potential effects on reproductive health. d. <i>Rutukala, Rutumati Lakshana</i> and <i>Rutumati Paricharya</i> with significance. e. Highlights on <i>Beeja Nirmana</i> - Oogenesis, Spermatogenesis. f. <i>Rutuvyatita Kala</i> . g. Phases of Menstrual cycle. Importance of HPO axis in menstrual regulation.	1		1	4	1
3	Garbha Vigyana - Embryology & Fetal Development	1		4	4	4

	<p>a. <i>Garbhakara Bhava</i>, <i>Garbhadhana</i>, <i>Garbhavakranti</i>, <i>Garbha Samskara</i>, <i>Pumsavana Samskara</i> for achieving <i>Shreyashi-praja</i>.</p> <p>b. <i>Apara</i> (Placenta) and <i>Garbha Nabhinadi</i> (umbilical cord), <i>Garbhodaka</i> (amniotic fluid) - formation with abnormalities</p> <p>c. <i>Garbha Poshana</i></p> <p>d. Fetal nourishment and Fetal circulation.</p> <p>e. <i>Masanumasika Garbha Vriddhi</i></p> <p>f. <i>Garbhashayantara Garbha Sthiti</i> (Fetus-in-utero) - Lie, Attitude, Presentation, Presenting part, Denominator, Position.</p>					
4	<p>Garbhini Vigyana - Physiology of Pregnancy & Antenatal Care</p> <p>a. <i>Garbhini Nidana</i> – <i>Garbhini Lakshana</i>, <i>Garbha-Upaghatkara bhava</i>, <i>Garbha Vikruti</i>.</p> <p>b. Physiological changes and Diagnosis of Pregnancy.</p> <p>c. <i>Garbhini Paricharya</i>, <i>Prajasthapana gana</i>.</p> <p>d. Antenatal care – Objectives, Immunization, Examination, Investigations and Management with contemporary National protocol.</p> <p>e. Demographic statistics related to Obstetrics.</p>	1		3	3	8
5	<p>Garbha Vyapad - Fetal Pathologies</p> <p>a. <i>Garbha Srava</i>, <i>Garbha Pata - Nidana</i>, <i>Samprapti</i>, <i>Lakshana</i>, <i>Chikitsa</i>.</p> <p>b. Abortion, Medical Termination of Pregnancy Act (MTP Act).</p> <p>c. <i>Garbha Vyapad</i> – <i>Nidana</i>, <i>Samprapti</i>, <i>Lakshana</i>, <i>Chikitsa</i>.</p> <p>d. Intrauterine Growth Restriction, Oligohydramnios, Polyhydramnios—Etiological factors, Clinical features, Management.</p>	2	40	4	4	7

	<p>e. Rh incompatibility, ectopic pregnancy, gestational trophoblastic disease.</p> <p>f. <i>Antarmruta Garbha – Nidana, Samprapti, Lakshana, Chikitsa.</i></p> <p>g. Intrauterine Fetal Demise—Etiological factors, Clinical features, Management.</p> <p>h. <i>Raktagulma—Nidana, Lakshana, Chikitsa.</i></p>				
6	<p>Garbhini Vyapad - Minor Ailments and Major Disorders of Pregnancy</p> <p>a. <i>Garbhini Vyapad – Aruchi, Hrillasa, Chardhi, Vibanda, Atisara, Arsha, Parikartika, Udavarta</i></p> <p>b. <i>Vaivarnya, Kandu, Kikkisa, Pandu, Garbhini Jwara, Shotha.</i></p> <p>c. Hypertensive Disorders in Pregnancy.</p> <p>d. High risk Pregnancy.</p> <p>e. <i>Prasava poorva rakta srava</i> (Ante Partum Hemorrhage) – Causes, Classification, Clinical features, Management.</p>	2	6	0	6
7	<p>Prasava Vigyana - Labour</p> <p>a. <i>Sutikagara</i> and Labour Room setup, Labour Room Protocol according to contemporary National Health Guidelines.</p> <p>b. Drugs commonly used during Labour (Uterotonics, Tocolytics, Analgesics, Ergot Alkaloids and Anesthetics) - Guidelines for use with Pharmacotherapeutics.</p> <p>c. <i>Prasava Paribhasha, Prasava Hetu, Prasava Kala.</i></p> <p>d. Causes of onset, Physiology and Diagnosis of Labour.</p> <p>e. Anatomy of Fetal Skull and Clinical Pelvimetry.</p> <p>f. <i>Prajayini, Upasthita Prasava and Asanna Prasava.</i></p>	2	10	1	17

	<p>g. Stages of Labour and Mechanism of Labour.</p> <p>h. <i>Avi, Grahishoola, Prasuti maruta</i> and <i>Garbha Sthiti Parivartana</i> during <i>Prasava Kala</i>.</p> <p>i. <i>Prasava Paricharya</i> - Monitoring with Partograph and management of Labour.</p> <p>j. Episiotomy.</p> <p>k. Intrapartum Fetal Monitoring techniques, Non Stress Test, Fetal Distress.</p> <p>l. <i>Jatamatra Paricharya</i> (Immediate care & Resuscitation of Newborn).</p>					
8	<p>Prasava Vyapad - Labour Complications & Obstetric Emergencies.</p> <p>a. <i>Nidana, Samprapti, lakshana</i> and <i>Chikitsa</i> of <i>Akala Prasava</i> (Preterm labour)</p> <p>b. Post term pregnancy</p> <p>c. <i>Garbha Sanga, Vilambita Prasava</i>.</p> <p>d. Obstructed and Prolonged labour.</p> <p>e. <i>Apara sanga - Nidana, Lakshana and Chikitsa</i>.</p> <p>f. Post Partum Haemorrhage - Causes, Clinical features, Complications and Management.</p>	3	30	6	2	4
9	<p>Moodhagarbha - Obstructed Labour</p> <p>a. <i>Nirukti, Samprapti, Bheda, Gati, Chikitsa</i> of <i>Moodhagarbha</i>.</p> <p>b. Abnormal Presentations – Breech, Persistent Occipito Posterior Position.</p> <p>c. Cephalo Pelvic Disproportion (CPD).</p> <p>d. <i>Moodhagarbha Upadrava – Garbhakosha-parasanga, Makkala, Yonisamvarana</i>.</p> <p>e. Obstetric Emergencies with timely referral - Cord prolapse, Genital Tract Injuries during labour,</p> <p>f. Uterine -inversion, Amniotic fluid Embolism,</p>	3		8	3	6

	Obstetric Shock, Uterine Rupture. g. Induction and Augmentation of Labour and Assisted Labour Techniques. (Forceps, Vacuum, Caesarean Section).					
10	Sootika Vigyana - Puerperium a. <i>Sootika, Sootika-kala, Sootika Paricharya.</i> b. Puerperial changes, Postpartum care. c. Contraception d. <i>Sootika Vyapad – Nidana, Samprapti, Lakshana, Chikitsa.</i> e. Puerperial Disorders.	3		3	1	3
11	Stanya Vigyana - Lactation a. <i>Stanya, Stanya Sampat.</i> b. Physiology of Lactation, Breast feeding techniques. c. <i>Stanya dushti, Stana Shotha, Stana Vidradhi.</i> d. Mastitis, Breast abscess.	3		2	2	2
Total Marks			100	50	26	62

Paper 2 (STREE ROGA - GYNAECOLOGY)						
Sr. No	A2 List of Topics	B2 Term	C2 Marks	D2 Lecture hours	E2 Non- Lecture hours Theory	E2 Non- Lecture hours Practical
12	Stree Prajanananga Nirmana and Vikruti - Development of Female Reproductive System with Anomalies. a. Development of female reproductive system from Mullerian duct and its anomalies. b. Neuroendocrinology of reproduction.	1	30	3	2	4

	c. Anatomy and Physiological aspects of Puberty and Menopause.				
13	<p>Yantra evam Shastra - Instruments</p> <p>Instruments commonly used in <i>Prasutitantra</i> (Obstetrics) and <i>Stree Roga</i> (Gynaecology) procedures and surgeries -</p> <p>a. Types of <i>Yantra</i> (Blunt instruments) and utilization-</p> <p>i) <i>Sandansha Yantra</i> (Pincer like or dissecting forceps) –</p> <p>* <i>Annigraha</i> – plain non toothed forceps * <i>Sannigraha</i> – Toothed forceps</p> <p>ii) <i>Swastika Yantra</i> (Cruciform like Forceps) - Allie's forceps, Vulsellum, Sponge holding forceps, Cheatle's forceps, Kocher's forceps, Babcock's forceps, Needle holder, Artery forceps, Ovum forceps, Green armytage forceps, Cervical punch biopsy forceps.</p> <p>iii) <i>Shalaka Yantra</i> (Rod like instruments) - Uterine sound, Hegar's dilator, Uterine curette, Endometrial biopsy curette, <i>Agnikarma Shalaka</i>, Anterior vaginal wall retractor</p> <p>iv) <i>Dvi Tala Yantra</i> (Scoops or spoon-shaped instruments) - Sim's speculum, Endometrial curette, Cusco's speculum, Doyen's retractor, Obstetric forceps</p> <p>v) <i>Nadi Yantra</i> (Tubular instruments) - <i>Yonivranekshana yantra</i>, Leech Wilkinson's HSG cannula, Rubin's cannula, Suction cannula, <i>Uttarabasti</i> cannula, Vaginal douching syringe, <i>Basti yantra</i></p> <p>b. Type of <i>Shastra</i> (Sharp instruments) and utilization -</p> <p>i) <i>Kartari Shastra</i> (Scissors) - <i>Atimukha Shastra</i> (Episiotomy Scissors), <i>Mandalagra Shashtra</i> (Umbilical cord cutting Scissors), <i>Shararimukha Shastra</i> (Mayos scissors / Simple scissors, suture removing scissors)</p>	1	1	1	6

	ii) <i>Vridhipatra Shastra</i> – Scalpel					
	iii) <i>Suchi Shastra</i> – different type of needles					
14	Stree Rugna Parikshana - Gynaecological Examination a. Gynaecological History taking. b. General and systemic examination. c. Breast examination, Per abdomen, Per speculum, Per vaginal, Per rectal examination.	1		2	1	4
15	Artava Vyapad - Menstrual Disorders a. <i>Ashtartava Dushti</i> . b. <i>Anartava</i> (Amenorrhoea). c. Poly Cystic Ovarian Syndrome (PCOS). d. <i>Artava Kshaya</i> (Oligomenorrhoea, Hypomenorrhoea). e. <i>Artava Vruddhi</i> (Polymenorrhoea). f. <i>Asrugdara</i> (Abnormal Uterine Bleeding).	1		6	2	4
16	Rajonivritti - Menopause a. Anatomical & Physiological changes in Genital organs during Menopause. b. <i>Rajonivrutti Janya Lakshana</i> (Menopausal Syndrome). c. Management of Menopausal syndrome. d. Role of <i>Rasayana</i> in Menopausal syndrome.	1		2	1	2
17	Yoni Vyapad - Disorders of Female Reproductive system a. <i>Yoni vyapad - Bheda, Nidana, Samprapti, Lakshana, Upadrava, Samanya & Vishesh Chikitsa</i> . b. <i>Udavarta, Vandhya, Vipluta, Paripluta, Vatala, Rudhirakshara, Vamini, Sramsini, Putraghni, Pittala,</i>	2	40	13	3	10

	<p>c. <i>Atyananda, Karnini, Acharana, Aticharana, Shleshmala, Shandhi,</i></p> <p>d. <i>Phalini, Mahati, Soochivaktra, Sarvaja, Antarmukhi, Shuska, Arajaska, Lohita kshaya, Upapluta.</i></p> <p>e. Dysmenorrhoea, Pruritus Vulvae, Endometriosis, Adenomyosis, Pelvic Inflammatory Diseases,</p> <p>f. Pelvic organ prolapse, Cervical erosion and Ectropion, Dyspareunia, Vaginismus, Presacral neuralgia, Constitutional nymphomania, Effluvium seminis - Causes, Clinical features, Investigations and Management.</p>				
18	<p>Vandhyatwa - Infertility</p> <p>a. <i>Nirukti and Bheda of Vandhyatwa.</i></p> <p>b. Female and Male factors of infertility.</p> <p>c. Infertility Evaluation - Semen Analysis, Hormonal assays, Follicular study, Ultrasonography & Hysterosalpingography</p> <p>d. <i>Chikitsa of Vandhyatwa – Shodhana, Shamana and Sthanika upakrama</i></p> <p>e. Assisted Reproductive Techniques.</p>	2	4	3	8
19	<p>Vyadhi Vinischaya Upaya - Diagnostic Tools and Techniques</p> <p>a. Pap smear</p> <p>b. Colposcopy</p> <p>c. Cervical biopsy</p> <p>d. Endometrial biopsy</p> <p>e. Hysterosalpingography</p> <p>f. Ultrasonography</p> <p>g. Hysteroscopy</p> <p>h. Laparoscopy</p>	2	1	1	2

	i. Magnetic Resonance Imaging j. Computed Tomography scan					
20	Sthanika Upakrama - In situ Treatment Modalities <i>Sthanika Upakrama - Yoni Dhavana, Yoni Prakshalana, Yoni Pichu, Yoni Varti, Yoni Lepana, Yoni Avachurnana, Yoni Purana, Yoni Dhoopana, Dahana, Ksharkarma, Uttarbasti.</i>	2		1	2	7
21	Stree Janananga Granthi Evam Arbuda - Benign & Malignant lesions of Female Reproductive System a. <i>Yonikanda, Yoni Arsha.</i> b. Benign lesions of reproductive system - Fibroid uterus, Bartholin cyst, Endometrial and Cervical polyp, Ovarian cyst, Tubo ovarian mass. c. <i>Arbuda</i> d. Premalignant & Malignant lesions of Uterus, Cervix, Endometrium & adnexa - Aetiology, Evaluation, Staging, Management e. Preventive aspects of Malignancies. f. Vaccination for cervical cancer.	3	30	4	2	4
22	Guhya Roga - Sexually Transmitted Diseases a. <i>Upadamsha, Firanga, Puyameha - Nidana, Samprapti, Lakshana, Chikitsa.</i> b. Sexually Transmitted Infections.- Causative microorganisms, Pathology, Clinical features, Investigations and Treatment.	3		2	1	0
23	Yoni srava - Vaginal Discharge a. <i>Shweta pradar - Nidana, Lakshana and Chikitsa.</i> b. Differential Diagnosis of Abnormal Vaginal Discharge and management.	3		1	1	2
24	Stana Roga - Breast Disorders a. Clinical Anatomy of Breast.	3		3	1	3

	<p>b. <i>Stana Keelaka, Stana Granthi - Nidana, Samprapti Lakshana, Bheda, Upadrava & Chikitsa</i></p> <p>c. Fibroadenoma Breast.</p> <p>d. <i>Stanarbuda</i> - Breast carcinoma.</p> <p>e. Aetiology, Clinical features, Diagnosis, Staging, Prevention & Management.</p>				
25	<p>Shastra Karma in Stree Roga - Surgical Procedures in Gynaecology</p> <p>a. Sterilization methods of Instruments, Equipments and Labour - OT complex.</p> <p>b. <i>Garbhashaya Mukha Vistrutikarana evam Lekhana</i> (Dilatation & Curettage).</p> <p>c. <i>Garbhashaya Mukha Dahana</i> (cauterization).</p> <p>d. <i>Vandhya karana</i> (Sterilization) – Tubectomy & Vasectomy.</p> <p>e. <i>Udaramarga Garbhashaya Nirharana</i> (Abdominal hysterectomy).</p> <p>f. <i>Yonimarga Garbhashaya Nirharana</i> (Vaginal hysterectomy).</p> <p>g. <i>Arbudanirharana</i> (Myomectomy).</p> <p>h. <i>Granthinirharana</i> (Cystectomy).</p> <p>i. <i>Arshanirharana</i> (Polypectomy).</p>	3	4	1	4
26	<p>Stree Roga Sambandhi Aushadhi- Classical Formulations</p> <p>a. <i>Vishista-Phalashruti</i> (Specific indication) of following formulations -</p> <p>b. <i>Churna Kalpana - Pushyanuga Churna, Shatpushpa Churna, Shatavari Churna, Nagakeshara Churna.</i></p> <p>c. <i>Ghrita Kalpana - Phalaghrita, Kashmaryadi Ghrita, Vidaryadi Ghrita.</i></p> <p>d. <i>Taila Kalpana - Dahtakyadi Taila, Shatpushpa</i></p>	3	1	1	0

	<p><i>Taila, Jatyadi Taila, Narayana Taila.</i></p> <p>e. <i>Asava and Arishta - Ashokarishta, Kumaryasava.</i></p> <p>f. <i>Rasa aushadhi - Rajahpravartini Vati, Pratapalankeshwar Rasa, Garbhapala Rasa, Pushpadhanva Rasa.</i></p> <p>g. <i>Kwatha - Nyagrodhadi kwatha, Dashmoola Kwatha, Panchavalakala Kwatha.</i></p> <p>h. <i>Paka Kalpana - Sobhagya Shunthi Paka, Puga Khanda/ Puga Paka.</i></p> <p>i. <i>Avaleha - Jeerakavaleha, Kushmandavaleha</i></p>					
27	<p>National Maternal Health Programs</p> <p>a. Family planning.</p> <p>b. Reproductive and Child Health</p> <p>c. '<i>Janani Suraksha Yojana</i>'</p> <p>d. '<i>Janani Shishu Suraksha Karyakram</i>'</p> <p>e. '<i>Pradhan Mantri Surakshit Matritva Abhiyan</i>'</p> <p>f. '<i>Mission Indradhanush</i>'</p> <p>g. '<i>Menstrual Hygiene Scheme</i>'</p> <p>h. '<i>LaQshya programme</i>'</p>	3		1	2	0
28	<p>Medical ethics, Record keeping and Audit in Obstetrics and Gynaecology</p> <p>a. Medical ethics.</p> <p>b. Medical record documentation – Informed Consent, Birth & Death registration, Issuing Medical Certificate</p> <p>c. Audit in Obstetrics and Gynaecology.</p>	3		1	1	1
Total Marks			100	50	26	61

Table 3 : Learning objectives of Course

Paper 1 (PRASUTI TANTRA - OBSTETRICS)										
A3 Course outcome	B3 Learning Objective (At the end of the session, the students should be able to)	C3 Domain/sub	D3 MK / DK / NK	E3 Level	F3 T-L method	G3 Assessment	H3 Assessment Type	I3 Term	K3 Integration	L3 Type
Topic 1 Stree Vishishta Shareera Vigyana - Anatomy of Female Reproductive System (LH :3 NLHT: 2 NLHP: 4)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO1	Explain the origin of the word " <i>Stree</i> " with nomenclature and classification based on age (<i>Vayobhedena Stree Sangya</i>).	CK	MK	K	L&PPT	VV-Viva	F&S	I	-	LH
CO1	Demonstrate the anatomy of female reproductive organs - <i>Tryavarta Yoni, Garbhashaya, Stree vishista Marma & Peshi</i> .	CAP	MK	SH	D,D-M	PP-Practical, P-VIVA, V-Viva	F&S	I	-	NLHP1.1
CO1	Enumerate and describe <i>Stree vishista Rachana Shareera</i> - <i>Tryavarta Yoni, Garbhashaya, Stree vishista Marma</i> and <i>Peshi</i> . Describe <i>Artava vaha srotas</i> and <i>Stanya vaha srotas</i> with <i>Viddha Lakshana</i> .	CC	MK	K	L&PPT	S-LAQ, P-VIVA	F&S	I	-	LH
CO1	Demonstrate the spatial orientation and positioning of the female reproductive organs within pelvic cavity and role of ligaments. Demonstrate Blood supply to the Uterus, Adnexa and Pelvic floor.	CAP	MK	SH	D-M,D	P-EXAM	F	I	-	NLHP1.2
CO1	Describe external genital organs and Internal genital organs with applied clinical aspects.	CC	MK	K	L&PPT, CBL	P-VIVA, INT, P-EXAM, S-LAQ	F&S	I	-	NLHT1.1
CO1, CO4	Demonstrate landmarks of true pelvis, false pelvis, inlet, cavity, outlet with diameters of Obstetric importance and their measurements.	CAP	MK	SH	D-M	P-MOD, V-Viva, P-VIVA	F&S	I	-	NLHP1.3

CO1	Describe <i>Stree Shroni - Asthi, Sandhi, Parimana</i> and highlight difference with <i>Purusha Shroni</i> .	CC	MK	K	L&PPT	S-LAQ,VV -Viva,P-VI VA,P- MOD	F&S	I	-	NLHT1.2
CO1, CO4	Classify Female Pelvis. Describe Obstetric measurements with clinical importance.	CC	MK	KH	L&PPT	VV-Viva,P- VIVA,S- LAQ	F&S	I	-	LH

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 1.1	Anatomy of female genital organs	(1 hr) Teacher will demonstrate Normalcy and abnormalities in Female external genital organs - vulva, labia majora, labia minora, clitoris and vestibule with videos or images and explain clinical importance. Normalcy and abnormalities in internal female genital organs - vagina, cervix, uterus, fallopian tubes and ovaries with videos or images and explain clinical importance. Encourage students to relate anatomical positioning to clinical conditions.
NLHT 1.2	<i>Asthi, Sandhi and Parimana of Stree Shroni</i>	(1 hr) Teacher will demonstrate <i>Asthis in Stree Shroni</i> - Guda, Bhaga, Nitamba, Trika, Shroniphalaka. <i>Sandhis - Tunnasevani and Samudga in Stree Shroni</i> . Discuss <i>Angula Parimana</i> with comparative study of <i>Purusha Shroni</i> .

Non Lecture Hour Practical

S.No	Name of Practical	Description of Practical Activity
NLHP 1.1	<i>Tryavarta Yoni</i>	(1 hr)

Teacher will orient students on anatomy of female reproductive system and demonstrate anatomical co-relations of *Tryavarta yoni* on model -

A)

1. vagina with adnexal structures
2. cervix with adnexal structures
3. uterus with adnexal structures

B)

1. introitus
2. mid-canal
3. fornices

C)

1. Thick connective and fibrous layers separating vaginal canal from urinary bladder and urethra anteriorly & rectum and anus posteriorly.
2. Muscular layer
3. Mucous layer

D)

1. External genitalia
2. Vagina
3. Uterus with adnexa

E)

1. Submeatal sulcus
2. Transeverse vaginal sulcus
3. Bladder sulcus

Locate *Garbhashaya* on model and understand with respect to description given by Acharya Sushrut and Kashyap.

Locate *Stree Vishista Peshis* and *marmas* on model and understand their importance.

Divide students into small groups and student will immitate the demonstration -

Provide each group with anatomical models of the female reproductive system - uterus with adnexa models.

Students will identify and demonstrate structures namely *Avarta of Yoni*, *Garbhashaya*, and *marma*,

		<i>stree vishista peshi and srotas.</i>
NLHP 1.2	Spatial orientation and Blood supply of uterus and adnexa	<p>(1 hr)</p> <p>Teacher will use anatomical models to demonstrate - Blood supply to the uterus, ovaries, and fallopian tubes.</p> <p>Detailed structure of the pelvic floor muscles and their clinical importance.</p> <p>Ligaments and their role in pelvic support.</p> <p>Group Activity -</p> <p>Divide students into small groups,</p> <p>Provide each group a pelvic model and chart showing the vascular and ligamentous connections.</p> <p>Instruct groups to debrief - the arterial and venous supply to the uterus and adnexa.</p> <p>Identify the spatial orientation of pelvic organs in relation to each other.</p> <p>Spatial Orientation Exercise -</p> <p>Use cross-sectional images or models to demonstrate how reproductive organs are positioned within the pelvic cavity.</p> <p>Students will practice positioning models accurately to demonstrate version and flexion of uterus.</p>
NLHP 1.3	Female bony pelvis	<p>(2 hrs)</p> <p>Teacher will demonstrate on bony pelvis model -</p> <p>Boundaries of True & false pelvis.</p> <p>Dimensions of the pelvic inlet - Plane, Axis, Antero-posterior diameter, Oblique diameter, Transverse diameter.</p> <p>Dimensions of Mid-Cavity - Axis, Diameter, Boundaries and Plane.</p> <p>Dimensions of Outlet - Antero-posterior diameter, Transverse diameter, Pubic arch angle, Waste space of Morris.</p> <p>Pictorial Demonstration of types of pelvis - Gynecoid, Android, Anthropoid and Platypelloid.</p> <p>The student will imitate demonstration on model, describe the importance of obstetric diameters.</p>
Topic 2 Rutuchakra - Menstrual Cycle (LH :1 NLHT: 4 NLHP: 1)		

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO2	Define <i>Raja, Artava, Shukra</i> . Describe <i>Shuddha Artava & Shuddha Shukra Lakshanas</i> with clinical significance.	CC	MK	K	L&GD	VV-Viva	F&S	I	-	NLHT2.1
CO1	Explain the role of <i>Tridosha</i> and <i>Panchamahabhoota</i> in <i>Rutuchakra</i> (Menstrual cycle)	CC	MK	K	L&GD	VV-Viva	F&S	I	-	NLHT2.2
CO1	Explain the phases of the menstrual cycle and the role of hypothalamo-pituitary-ovarian axis in its regulation.	CC	MK	K	L&PPT	VV-Viva,S-LAQ,P-VIVA	F&S	I	-	LH
CO1	Explain physiology of Menstruation and phases of Menstrual cycle.	CAP	MK	K	FC	CL-PR,VV-Viva,P-VIVA	F&S	I	-	NLHT2.3
CO1	Demonstrate dietary recommendations and other practices with potential health benefits of <i>Rajaswala Paricharya</i> .	CAP	MK	KH	D,RP	VV-Viva	F&S	I	-	NLHP2.1
CO1	Describe <i>Rutumati Lakshana and Paricharya</i> .	CAP	MK	K	L&GD, DIS,PE R	VV-Viva,C L-PR,PRN	F&S	I	-	NLHT2.4

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 2.1	Concept of <i>Raja, Artava and Shukra</i> .	<p>(1 hr)</p> <p>Teacher will facilitate presentation, discussion and clarification of the concept, dividing students into small groups and assign each group with one of topics - '<i>Raja, Artava and Shukra</i>'.</p> <p>Teacher will ensure discussion of <i>Shuddha Artava & Shuddha Shukra Lakshanas</i> and their clinical significance.</p> <p>Peer discussion on the concept of <i>Stree Shukra</i> followed by interaction with students.</p>

NLHT 2.2	<i>Tridosha and Panchamahabhuta in Rutuchakra.</i>	(1 hr) Teacher will give presentation and have discussion with students, on <i>Gunas</i> of <i>Tridosha</i> and <i>Panchamahabhut</i> in correlation with different phases - <i>Rajasrava Kaala</i> , <i>Rutukala</i> and <i>Rutu Vyateeta Kala</i> with focus on physical, mental, and emotional manifestations. Students will have discussion on cases of irregular menstrual cycles and abnormal menstruation with respect to imbalance of <i>Doshas</i> , <i>Mahabhutas</i> and <i>Gunas</i> involved.
NLHT 2.3	Physiology of Menstruation.	(1 hr) Flipped Classroom - Students will review reading material before class and during class-presentation they will create flow chart / present with diagrams of hormonal regulation of different phases of menstrual cycle followed by peer discussion. Teacher will encourage students to analyze different case scenarios of menstrual irregularities and identifying which phase of the menstrual cycle is affected and how the HPO axis dysfunction contributes.
NLHT 2.4	Importance of <i>Rutukala</i>	(1 hr) Teacher will discuss the significance of <i>Rutukala</i> with physiology of Ovulation. Explain <i>Rutumati Lakshana</i> and enumerate <i>Rutumati Paricharya</i> (practices to be followed) for successful conception & the process of <i>Beeja Nirmana</i> (gamete formation-spermatogenesis and oogenesis) in Ayurveda and contemporary science. Class presentation by students on spermatogenesis and oogenesis followed by peer discussion.
Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 2.1	<i>Rajaswala paricharya</i>	(1 hr) Teacher will discuss and analyze role of various components - <i>Ahara</i> , <i>Vihara</i> and <i>Sadvrutta</i> of <i>Rajaswala Paricharya</i> through role play & Interaction. Student will demonstrate and explain the benefits of dietary recommendations with analysis of

techniques that help to balance *Vata dosha* during menstruation aligning with recommendations in *Rajaswala Paricharya* (menstruating women).

Topic 3 Garbha Vigyana - Embryology & Fetal Development (LH :4 NLHT: 4 NLHP: 4)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO1	Define <i>Garbha</i> and explain the process of <i>Garbhadhana</i> (conception) and <i>Garbhavakranti</i> (chronological evolution of <i>Garbha</i>), describe <i>Garbha-kara shad-bhavas</i> (factors influencing development and traits of fetus).	CC	MK	KH	L&GD, PER,FC	S-LAQ,T-O BT,CL-PR, P-REC,P-VIVA	F&S	I	-	NLHT3.1
CO1	Explain the importance of pre-conception care and factors promoting conception.	CAP	MK	KH	L&PPT	S-LAQ,VV-Viva	F&S	I	-	LH
CO1	Explain significance of <i>Garbha Samskara</i> and <i>Pumsavana Samskara</i> for achieving <i>Shreyasee-Praja</i> - Fetal optimisation (physical, mental and emotional development of fetus).	CAP	MK	K	CBL,SI M,RP,D ,W	P-PRF,VV-Viva,S-LAQ,P-EN	F&S	I	V-SW	NLHP3.1
CO1	Describe the formation and functions of <i>Apara</i> (placenta with membranes), <i>Garbha Nabhinadi</i> (umbilical cord), and <i>Garbhodaka</i> (amniotic fluid)	CC	MK	K	L&PPT	VV-Viva,QZ ,S-LAQ	F&S	I	-	LH
CO1	Describe <i>Apara</i> , <i>Nabhinadi</i> and <i>Garbhodaka Vikaras</i> (abnormalities of placenta, umbilical cord and amniotic fluid) with clinical significance.	CAN	MK	K	D-M,C D,CBL, PBL,LR I	P-PS,S-LAQ,P-ID,VV-Viva	F&S	I	-	NLHT3.2
CO1	Describe <i>Garbha Vriddhikara Bhava</i> (factors affecting fetal growth) and <i>Garbha Poshana</i> (mechanisms of fetal nourishment). Illustrate fetal circulation along with utero- placental and feto-placental circulation.	CC	MK	K	L&PPT ,D-M,D,FC	M-CHT,V V-Viva,CO M,QZ ,S-LAQ	F&S	I	-	NLHT3.3
CO1	Explain <i>Masanumasika Garbha Vriddhi</i> (Month wise fetal growth	CC	MK	K	PER,L_	P-REC,S-L	F&S	I	-	NLHT3.4

	and development)				VC,D-M	AQ,COM,P A				
CO1	Explain <i>Garbhashayantara Garbha Sthiti</i> .	CC	MK	K	L&PPT	P-MOD,S- LAQ,P-PR F,VV-Viva	F&S	I	-	LH
CO1, CO4	Demonstrate <i>Garbhashayantara Garbha Sthiti</i> (fetus -in utero).	PSY- SET	MK	SH	CBL,D, CD,D- M,D- BED	VV-Viva,P- EXAM,P-V IVA,OSCE, P-PRF	F&S	I	-	NLHP3.2
CO1, CO4	Describe fetus-in-utero - Lie, attitude, presentation, presenting part, denominator and position.	CC	MK	K	L&PPT ,D-M	P-MOD,OS CE,VV-Viv a,S-LAQ	F&S	I	-	LH

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 3.1	<i>Garbha</i> and <i>Garbhavakranti</i>	(1 hr) Student will present and discuss <i>Garbha Kara Shad Bhavas</i> in conception and guidelines of <i>Garbhadhana Vidhi</i> during classroom presentation with flow charts. Teacher will explain components of <i>Garbhavakranti</i> with applied clinical aspects - <i>Anupahata Retus</i> , <i>Apradushta Yoni</i> , <i>Shonita</i> and <i>Garbhashaya</i> .
NLHT 3.2	<i>Apara</i> , <i>Nabhinadi</i> and <i>Garbhodaka Vikaras</i> (abnormalities of placenta, umbilical cord and amniotic fluid) with clinical significance.	(1 hr) Teacher will demonstrate abnormal conditions related to following, on models / charts / specimen / clinical case / videos - 1. Placenta - formation, location, shape, size and implantation,

		<p>2. Umbilical cord - structure, characteristics, length and attachment,</p> <p>3. Amniotic fluid – volume and colour</p> <p>Student will be given case scenarios to discuss clinical consequences and strategies to improve pregnancy outcome.</p>
NLHT 3.3	<i>Garbha Poshana</i> (fetal nourishment) and <i>Garbha Vridhhikara Bhava</i> .	<p>(1 hr)</p> <p>Flipped class - Students will be encouraged to review the literatures related to different methods of <i>Garbhaposhana</i> (<i>Upasneha</i>, <i>Upasweda</i>, through <i>Nabhinadi</i>) during different stages of intra uterine development with utero- placental and feto-placental circulation and make compilation. Teacher will summarize concepts of <i>Garbhaposhana</i> with theories of <i>Upasneha</i>, <i>Upasweda</i>, <i>Apara</i> and <i>Garbha Nabhinadi</i> (fetal Circulation) with utero- placental and feto-placental circulation and discuss the importance of <i>Garbha Vridhhikara bhava</i> (factors affecting fetal growth).</p>
NLHT 3.4	Month wise fetal development	<p>(1 hr)</p> <p>Teacher will explain the stages of <i>Masanumasika Garbha Vriddhi</i> - month wise development of fetus and demonstrate on model/ videos/ charts/ specimen. Student will analyze the mile-stones of fetal development and recite the shlokas of <i>Masanumasika Garbha Vriddhi</i>. Teacher will assign compilation work to students.</p>
Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 3.1	<i>Garbha Samskara</i> and <i>Pumsavana Samskara</i> .	<p>(2 hrs)</p> <p>Activity 1 (Garbha samskara) - Teacher will discuss the process and practices of <i>Garbha Samskara</i> for achieving <i>Shreyasee-Praja</i> and</p>

		<p>orient students to Pre-Conception and Pre-natal care.</p> <p>Discuss and provide clinical exposure to <i>Garbha Samskara</i> Practices - <i>Beejasamskara</i> (Preconceptional <i>Samsodhana</i> therapy) and special diet indications viz <i>Taila</i>, <i>Masha</i> to female and <i>madhura ousadha sidhha Ghrita</i>, <i>Ksheera</i> to male.</p> <p>Equip students with skill to advice couple desiring healthy progeny through garbhasamskara programme viz</p> <p>Dietary recommendations - <i>Garbhini Masanumasika pathya</i> (monthly regime).</p> <p>Prenatal <i>Yoga and Pranayam</i> : yoga postures and breathing techniques designed to promote physical and mental well-being during pregnancy under supervision of yoga instructor.</p> <p>Meditation and Chanting: meditation or chanting practices.</p> <p>Activity 2 (<i>Pumsavana</i> samskara for achieving <i>Shreyasee-praja</i>) -</p> <p>Teacher will explain the ritual of <i>Pumsavana Samskara</i> for achieving <i>Shreyasee-praja</i>.</p> <p>Demonstrate process of drug collection, ritual with time, preparation and procedure of administration indicated (nasally or orally), followed by the chanting of specific mantras.</p> <p>Student will observe and discuss the process and benefits.</p>
NLHP 3.2	Fetus-in-utero	<p>(2 hrs)</p> <p>Teacher will demonstrate with help of female pelvis and fetal skull/ model and dummy of fetus -</p> <p>Fetal Lie - longitudinal, transverse, oblique</p> <p>Fetal Attitude - flexed, deflexed, extended and hyper-extended</p> <p>Fetal Presentation - cephalic, breech, shoulder</p> <p>Fetal Presenting part - vertex, brow, face, mentum, breech, foot, compound</p> <p>Fetal Position - Occiput Anterior, Occiput Posterior, Left Occiput Anterior, Left Occiput Posterior, Right Occiput Anterior, Right Occiput Posterior, Left Occiput Transverse, Right Occiput Transverse.</p> <p>Denominator - Occiput, Mentum, Sacrum, Acromion.</p> <p>Student will practice the components of fetus in utero and demonstrate denominator and its relation with various quadrants of pelvis in determining fetal position.</p>
Topic 4 Garbhini Vigyana - Physiology of Pregnancy & Antenatal Care (LH :3 NLHT: 3 NLHP: 8)		

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO1	Explain the physiological changes during pregnancy and discuss maternal adaptations.	CC	MK	K	L&PPT	COM,S-LAQ,VV-Viva,P-VIVA	F&S	I	-	LH
CO1	Explain Garbhini Nidana and analyze Sadyogruhita Garbha, Vyakta Garbha Lakshanas, and the Clinical diagnosis of pregnancy in the first, second, and third trimesters based on signs and symptoms.	CAP	MK	KH	REC,L &PPT,CD	VV-Viva,S-LAQ,P-REC,P-VIVA,P-CASE	F&S	I	-	NLHT4.1
CO1	Identify and demonstrate pregnancy signs - Trimester wise.	CAP	MK	KH	D-M,C D,D-BED,SIM,L_VC	P-VIVA,SP,OSCE	F&S	I	-	NLHP4.1
CO1	Describe <i>Garbhopaghatakara Bhava</i> and <i>Garbha Vikruti</i> .	CC	MK	K	L&GD,CBL	VV-Viva,CBA,INT	F	I	-	NLHP4.2
CO1	Describe <i>Masanumasika Garbhini Paricharya</i> and importance of <i>Garbha Sthapaka Gana</i> .	CC	MK	K	L&PPT	P-VIVA,S-LAQ	F&S	I	-	LH
CO1	Describe Antenatal care as per National protocol.	CC	MK	K	L&PPT	P-VIVA,P-CASE,SP,S-LAQ,VV-Viva	F&S	I	-	LH
CO1, CO4	Screen & identify high risk pregnancy.	CAP	MK	KH	D-BED,DIS,L&PPT,CBL,CD	VV-Viva,SBA,P-VIVA,CBA	F	I	-	NLHT4.2
CO1,	Demonstrate Obstetric history taking and perform Antenatal	PSY-	MK	SH	SIM,CB	P-EXAM,S	F&S	I	-	NLHP4.3

CO4	Examination.	GUD			L,D-M, D-BED, CD	P,VV-Viva, P-VIVA,P- MOD				
CO1, CO5	Enlist routine investigations in pregnancy and know the role of Ultra sound in pregnancy Be familiarized with special diagnostic aids in pregnancy viz, double marker, triple marker, quadruple marker and Nonstress test. Analyze the provisions and limitations of PC PNDT act.	CAN	MK	KH	LRI,CD ,D-BED ,L&GD, PBL	VV-Viva,C BA,P- VIVA,SBA	F&S	I	-	NLHP4.4
CO1, CO5	Describe demographic statistics related to obstetrics - Maternal Mortality Rate, Maternal Morbidity, Infant Mortality Rate.	CC	MK	K	L&PPT ,BS	VV-Viva,C L-PR	F	I	-	NLHT4.3

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 4.1	<i>Garbhini Nidana</i> : Diagnosis of pregnancy	(1 hr) Teacher will explain <i>Garbhini Nidana</i> based on <i>Sadyogruhita Garbha</i> and <i>Vyakta Garbha Lakshanas</i> . Discuss clinical signs and symptoms related to diagnosis of pregnancy in first, second and third trimester. Student will recite shlokas and analyze the diagnosis of pregnancy based on clinical findings.
NLHT 4.2	High Risk Pregnancy	(1 hr) Teacher will discuss the alarming signs and methods of screening and identifying high risk pregnancy like multiple gestation, pregnancy induced hypertension, elderly primigravida, gestational diabetes etc. for timely referral to appropriate higher health care facility. Students will have peer discussion about high risk pregnancy cases.
NLHT 4.3	Demographic Statistics in Obstetrics	(1 hr) Teacher will facilitate the students with credible sources on current demographic statistics related to obstetrics - Maternal Mortality rate, Maternal Morbidity and Infant Mortality rate.

		Students will discuss the factors contributing to the statistical data (e.g., socioeconomic factors, healthcare access). Recent trends and initiatives to address issues related to ststatistics.
Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 4.1	Clinical Diagnosis of pregnancy	<p>(2 hr)</p> <p>Teacher will demonstrate physical signs - Jacquemier's or Chadwick's, Oslander's, Goodell's, Hegar's, Piskack's and Palmer's signs, Chloasma, Montgomery's tubercle, Linea nigra, Stria gravidarum, Braxton-hicks contractions during clinical demonstration / demonstration on models and simulators/ Videos.</p> <p>Student will explain trimester wise signs of pregnancy.</p>
NLHP 4.2	<i>Garbha Vikruti</i>	<p>(1 hr)</p> <p>Teacher will explain <i>Garbha Upaghatakara Bhava</i> with effect on fetus.</p> <p>Students will be given case scenarios involving fetal deformities to analyze the possible <i>Garbha Upaghatakara Bhava</i> -maternal lifestyle, diet, stress and environmental exposure and discuss preventive measures.</p>
NLHP 4.3	Antenatal History taking and Examination	<p>(4hrs)</p> <p>Teacher will orient students to develop communication skill, identify risk factors, plan investigations and give appropriate advice for Antenatal cases.</p> <p>A. History taking in Pregnancy -</p> <p>1. Patient particulars</p>

2. Chief complaints – Complaints, their onset in chronological order (e.g. - complaints like Pain abdomen / Vaginal bleeding / Urinary problems / other minor complaints)
3. History of present illness: Elaboration of the chief complaints as regard to their onset, duration, severity, use of medications, investigations & progress. Trimester wise complications if any.
4. Past Pregnancy and Obstetric History : Gravida , Parity, Abortion, high risk pregnancy, Ectopic, Twins, mode of previous delivery , Intrapartum complications, Post partum haemorrhage, Fetal morbidity, Fetal Death,
5. Menstrual History: Menarche (age), Last Menstrual Period (LMP), Regular /Irregular cycles
6. Naegele's formula - calculate Expected Date of Delivery (EDD)
7. History of Medications, Surgeries, Allergies
8. Family history : Parents & First degree relatives with a condition such as Diabetes, Multiple pregnancy, consanguineous marriage, bleeding dyscrasias, birth defects.
9. Personal History : Smoking, sleep, appetite , bowel & bladder habits.

B. Examination (on models / clinically)

1. General appearance and parameters viz, Height, Weight, Pallor, Jaundice, Oral cavity, Hair, Neck, Lymph nodes, edema, Varicosities, BP, Pulse, Temperature
2. Breast examination : Patient reclining, arms to the sides, breasts are inspected and palpated with flat of fingers of both hands
3. Systemic Examination: Respiratory system respiratory rate, Inspection & Auscultation of the

chest

Cardiovascular system : Inspect the chest , Auscultate heart sounds

4. Obstetric Examination

Pre-requisites: Verbal consent, Bladder evacuation, Proper exposure of abdomen from Xiphisternum to symphysis pubis

Woman in dorsal posture with thighs & knees slightly flexed

Stand on right side of the patient

Woman's head should be tilted to the left side

a. Inspection: Uterine shape, Contour of Uterus

Skin condition: Presence of Linea nigra, Striae gravidarum, presence of scar mark, infection

b. Palpation: Height of the uterus in terms of weeks

Symphysis - fundal height in cm to be measured with measuring tape.

Obstetric grips (Leopold's maneuvers) - Hands on practice on the manikin/real cases

i. Fundal grip

		<p>ii. Lateral or Umbilical grip</p> <p>iii. First pelvic grip</p> <p>iv. Second pelvic grip (Pawlik's grip)</p> <p>c. Auscultation of Fetal Heart Sound (FHS)</p> <p>C. Case writing in prescribed journal proforma</p>
NLHP 4.4	Investigations in pregnancy	<p>(1hr)</p> <p>Teacher will elaborate planning routine and special investigations in pregnancy with provisions of PC & PNDT act.</p> <p>Narrate & Interpret routine and special investigations viz, double marker, triple marker, quadruple marker and Nonstress test with appropriate time of advice.</p> <p>Ultrasonography - Indications and interpretation of USG parameters during pregnancy. Early pregnancy scan, Nuchal Translucency Scan (NT), Targeted imaging for fetal anomaly (TIFFA) scan and growth scan in third trimester.</p> <p>Student can interpret various normal and abnormal investigation reports.</p>

Topic 5 Garbha Vyapad - Fetal Pathologies (LH :4 NLHT: 4 NLHP: 7)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO1	Define <i>Garbha Srava</i> and <i>Garbha Pata</i> . Explain <i>Nidana</i> , <i>Samprapti</i> , <i>Lakshana</i> , and <i>Chikitsa</i> .	CC	MK	K	L&PPT	P-REC,S-LAQ	F&S	II	-	LH
CO1,	Define Abortion and describe classification with aetiological	CC	MK	K	DIS,LRI	P-VIVA,S-	F&S	II	-	NLHT5.1

CO5	factors, clinical features, and investigations with medical and surgical management.				L&PPT ,CD,CB L	LAQ,P-CA SE,VV- Viva,CBA				
CO1, CO5	Demonstrate Dilatation & Curettage (D & C), Provisions of MTP act.Demonstrate cervical encirclage procedure (McDonald and Shirodkar procedure)	CAP	DK	KH	L_VC,C BL,D	VV-Viva, C -VC,CBA,S- LAQ	F&S	II	-	NLHP5.1
CO1	Elaborate <i>Nidana, Samprapti, Lakshana and Chikitsa of Garbha Vyapad - Upavishtaka Nagodara, Linagarbha, Makkala, Jarayu dosha.</i>	CC	MK	K	REC,L &PPT	S-LAQ,P-R EC,VV- Viva	F&S	II	-	LH
CO1	Define Intra Uterine Growth Restriction (IUGR). Enumerate aetiological factors, classification, clinical diagnosis, investigations & management.	CC	MK	K	L&PPT ,CBL,C D,LRI	P-VIVA,SP ,S-LAQ	F&S	II	-	NLHT5.2
CO1	Identify and explain etiology, clinical diagnosis, investigations & management of Intra Uterine Growth Restriction, Oligohydramnios and Polyhydramnios.	CC	MK	K	CD,D-B ED,CB L,L&PP T	CBA,VV-V iva,OSCE,P- VIVA	F&S	II	-	NLHP5.2
CO1	Describe Gestational Trophoblastic diseases and Rh incompatibility - pathophysiology and prevention.	CK	DK	K	L&PPT	VV-Viva	F&S	II	-	LH
CO1	Identify Ectopic pregnancy. Explain causes, clinical features, differential diagnosis & management.	CC	MK	K	CBL,DI S,L&PP T	VV-Viva,P- VIVA,OSC E,S-LAQ	F&S	II	-	NLHP5.3
CO1	Describe <i>Antarmruta Garbha – Nidana, Samprapti, Lakshana, Chikitsa.</i>	CK	MK	K	L&PPT ,REC	P-VIVA,S- LAQ,P-RE C,T-OBT	F&S	II	-	LH
CO1, CO6	Describe Intrauterine fetal demise (IUFD) - Definition, causes, diagnosis, management & complications.	CK	MK	K	CBL,L &PPT , CD,DIS	P-VIVA,P- EXAM,SB A,S-LAQ,V	S	II	-	NLHT5.3

					,X-Ray	V-Viva				
CO1, CO6	Diagnose and plan management of Intrauterine fetal demise.	CAP	MK	KH	CBL,X-Ray,PB L,SIM	PP-Practical,P-VIVA,S BA,VV-Viva,CBA	F&S	II	-	NLHP5.4
CO1	Explain <i>Rakta Gulma</i> - differential diagnosis and management.	CK	NK	K	L&PPT	VV-Viva,INT	F	II	-	NLHT5.4

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 5.1	Abortion	(1 hr) Teacher will discuss classification of abortion with aetiological factors, clinical features, investigations with medical and surgical management. Present case scenarios of abortion - threatened, inevitable, complete, incomplete, missed, septic and habitual abortion. Students will analyze the clinical features of given scenarios and discuss timely referral.
NLHT 5.2	Intra uterine growth restriction	(1 hr) Teacher will discuss aetiological factors, classification, clinical diagnosis, Investigations & Management of IUGR as per gestational age. Students will have peer discussion of simulated cases / clinical cases.
NLHT 5.3	Intra uterine fetal demise.	(1 hr) Faculty will discuss case scenario of fetal demise based on clinical features ,investigations and explain management strategies Students will analyse the clinical features, identify appropriate investigations, complications and discuss management

NLHT 5.4	<i>Rakta Gulma</i>	(1hr) Teacher will discuss <i>Rakta Gulma</i> in terms of <i>Dosha, Dushya</i> and clinical manifestations Students will differentiate conditions involving clinical features and underlying concept.
Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 5.1	<i>Garbhashaya Mukha Vistrutikarana</i> <i>evam</i> <i>Garbhasaya Lekhana</i> - Dilatation and Curettage <i>Garbhashaya Greeva Samvrutikarana</i> - Cervical Encirclage	(3hrs) Teacher will explain Indications of Dilatation and Curettage (diagnostic/therapeutic), complications and it's management with video demonstration. <p>a. Dilatation and Curettage in Abortion.</p> <p>Prerequisites – Provisions of MTP act. Steps –</p> <ol style="list-style-type: none"> 1. History of presenting complaint - Details such as onset, duration and amount of bleeding, whether mild, moderate or severe. 2. Examination <ol style="list-style-type: none"> i. General examination: Assessment of general condition ii. Systemic examination: CVS, RS, NS & Breast examination. iii. Per abdomen examination

iv. Per speculum examination and vaginal examination

3. Investigations: Guided by clinical history & examination

4. Differential diagnosis

i. Intra uterine pregnancy

ii. Abortion

iii. Ectopic pregnancy

iv. Molar pregnancy

Case discussion - Clinical Case scenarios

Observation of procedure –

Pre-requisites- consent, pre-operative preparations, operation, post operation.

b. Cervical Encirclage

Enlist Indications and observe methods of cervical encirclage in pregnancy.

Demonstration of the Mc Donald and Shirodkar procedure through a video or on a mannikin.

Students will observe the procedure and analyze the type of abortion and discuss management.

NLHP 5.2	Intra Uterine Growth Restriction, Oligohydramnios and Polyhydramnios	<p>(2 hrs)</p> <p>Teacher will demonstrate clinical examination and diagnosis of following conditions.</p> <p>a. Intra Uterine Growth Restriction</p> <p>1. Clinical examination - Per abdomen</p> <p>Essential points in Diagnosis Serial measurements of Symphysis Fundal Height (SFH) or Biometry Case demonstrations for normal growth vs restricted growth of fetus, assessment of amniotic fluid and management based on the gestational age.</p> <p>2. Ultrasonography – Amniotic Fluid Index / Fetal biometry / Expected Fetal Weight</p> <p>3. Discussion - Enumeration of various causes of Growth restrictions like, Maternal, Fetal & Placental.</p> <p>b. Oligohydramnios and Polyhydramnios</p> <p>Case / scenario-based discussion with explanation of aetiology, clinical diagnosis, investigations & management. Students will be engaged interpreting clinical examination, ultrasound findings and differential diagnosis with selection of appropriate treatment.</p>
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NLHP 5.3	Ectopic pregnancy	(1 hr) Teacher will present a case scenario of undiagnosed ectopic pregnancy (presenting with acute abdominal pain and bleeding p/v). Discussion on differential diagnosis, interpreting ultrasound findings, and selecting the appropriate treatment (medical vs. surgical).
NLHP 5.4	Intrauterine Fetal Demise (IUFD)	(1 hr) Teacher will present a case scenario of third trimester of pregnancy with absent fetal movements and discuss approach to the case as below Clinical findings Role of USG X-ray findings Investigations, management protocols and complications Counselling techniques Students will have peer discussion on clinical examination and plan management

Topic 6 Garbhini Vyapad - Minor Ailments and Major Disorders of Pregnancy (LH :6 NLHT: 0 NLHP: 6)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO1, CO3, CO6	Describe <i>Nidana, Lakshana, Chikitsa of Garbhini Vyapad - Aruchi, Hrillasa, Chardhi, Vibandha.</i>	CC	MK	K	L&PPT	S-LAQ,VV-Viva	F&S	II	-	LH
CO1, CO3, CO6	Describe Nidana, Lakshana, Chikitsa of Garbhini Vyapad - Atisara, Arsha, Parikartika, Udavarta, Vaivarnya, Kandu, Kikkisa.	CC	MK	K	DIS,L&PPT, CBL	S-LAQ,VV-Viva	F&S	II	-	LH
CO1, CO3, CO6	Diagnose <i>Garbhini Pandu</i> - Anaemia in pregnancy, describe investigations and plan of management.	CAN	MK	KH	CBL,IB L,LRI,D A,CD	P-VIVA,P-CASE,RK	F&S	II	-	NLHP6.1

CO1, CO3, CO6	Diagnose <i>Garbhini Jwara</i> (fever in pregnancy) - clinical features, investigations and management protocol	CAN	MK	KH	DA,CD, CBL,LR I	VV-Viva,S- LAQ,P-CA SE,P-VIVA ,P-EXAM	F&S	II	-	NLHP6.2
CO1, CO3, CO6	Define Pregnancy-Induced Hypertension, Pre-Eclampsia and Eclampsia. Describe causative factors, clinical features, and management.	CC	MK	K	L&PPT	VV-Viva,S- LAQ	F&S	II	-	LH
CO1, CO3, CO6	Diagnose Pregnancy induced hypertension, pre-eclampsia and eclampsia with clinical features, examination and investigations.	CAN	MK	SH	TBL,RP ,CD,D- BED,L RI	S-LAQ,VV -Viva,SP,P M,P- EXAM	F&S	II	-	NLHP6.3
CO1, CO3, CO5	Describe Gestational diabetes, Thyroid dysfunction and HIV - in pregnancy	CK	DK	K	CBL,LR I,CD,L &PPT	VV-Viva	F	II	H-KC	LH
CO1, CO3, CO6	Describe <i>Bahu-Apatya</i> (Multiple pregnancy) - Causes, clinical findings, diagnosis and plan of management.	CK	DK	K	CBL,L &PPT	VV-Viva	F	II	-	LH
CO1, CO3, CO6	Diagnose <i>Yamala-garbha</i> (Twin Pregnancy) and describe varieties, etiology, lie, presentation, complications and management.	CAN	DK	K	D-BED, LRI,CD ,D- M,CBL	VV-Viva,P- EXAM,CB A,P- VIVA,SBA	F&S	II	-	NLHP6.4
CO1, CO3, CO5	Define Antepartum Hemorrhage (APH) and enumerate causes, classification, clinical features and management guidelines.	CC	MK	K	L&PPT ,CD,CB L	CBA,VV-V iva,SBA,S- LAQ	F&S	II	-	LH
CO1, CO3, CO5	Diagnose Antepartum hemorrhage - Placenta previa with clinical features and confirmation by ultrasound. Plan management with timely referral.	CS	MK	KH	D-BED, LRI,CD ,PBL,L	VV-Viva,P- ID,P-VIVA	F&S	II	-	NLHP6.5

					&PPT					
CO1, CO3, CO5	Diagnose Antepartum hemorrhage - Abruptio placenta, clinical features, and confirmation by ultrasound. Plan management with knowledge of the need for referral.	CS	MK	KH	PBL,D-M,CBL, D,L&PP T	P-EXAM,P -VIVA,CO M,S-LAQ	F&S	II	-	NLHP6.6

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
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Non Lecture Hour Practical

S.No	Name of Practical	Description of Practical Activity
NLHP 6.1	<i>Garbhini Pandu</i> - Anaemia in pregnancy.	<p>(1hr) Faculty will present a case of Anaemia in pregnancy and explain</p> <ol style="list-style-type: none"> 1. Symptoms exploration - Pallor, fatigability, breathlessness on exertion, giddiness, anorexia, tingling sensation in extremities 2. Analysis of history - Obstetric history (Mupltiparity), Menstrual History(Abnormal Uterine Bleeding) , Contraceptive history & Dietary history, bleeding piles etc 3. Examination - <ul style="list-style-type: none"> A) General Examination - Record vitals B) Systemic Examination - CVS , Respiratory & Nervous system examination C) Obstetric examination (e.g. -Twins & multiple pregnancy) D) Investigations – to assess severity of Anaemia as mild ,moderate or severe

		<p>4. Plan Management as per the gestation ,severity & type of Anaemia</p> <p>Students will discuss the effects of Anaemia, clinical outcome and plan management as per severity and gestational age .</p>
NLHP 6.2	<i>Garbhini Jwara</i> - fever in pregnancy.	<p>(1 hr)</p> <p>Teacher will present a case /scenario of Fever in pregnancy and explain</p> <ol style="list-style-type: none"> 1. Symptoms exploration - temperature, fatigability, giddiness, anorexia, dryness of mouth 2. Examination - <ol style="list-style-type: none"> A) General Examination - Record vitals with temperature. B) Systemic Examination – CVS , Respiratory & Nervous system examination C) Obstetric examination (to assure fetal wellbeing) D) Investigations – to assess the cause/aetiology of fever <p>4. Plan Management as per the cause and severity.</p> <p>Student will have peer discussion and record the case in prescribed journal proforma</p>
NLHP 6.3	Hypertensive disorders in Pregnancy	<p>(1 hr)</p> <p>Teacher will demonstrate clinical features in pregnancy induced hypertension and pre-eclampsia.Plan investigations, management, anticipate complications and explain timely referral.</p> <p>Demonstrate approach to a pregnant or puerperal woman presenting with convulsions.</p> <p>Demonstration of Eclampsia drill.</p> <p>Students will analyse the diagnosis,plan primary care,document the case and importance of timely referral to higher centre for advance care.</p>
NLHP 6.4	<i>Yamala-garbha</i> - Twin Pregnancy (1 hr)	<p>(1 hr)</p> <p>Teacher will demonstrate clinical diagnostic features,varieties,lie, presentation on manikin/ video/ clinical case .</p> <p>Discuss and Interpret investigation ,understand possible care,complications and plan management in</p>

		<p>pregnancy and labour</p> <p>Student will imitate examination of Twin pregnancy on manikin and have peer discussion on Antenatal care</p>
NLHP 6.5	Antepartum Hemorrhage -Placenta previa	<p>(1 hr)</p> <p>Teacher will enable students to -</p> <ol style="list-style-type: none"> 1. Diagnose Antepartum hemorrhage - Placenta previa based on clinical features and confirmation by ultrasound. 2. Identify the degree of placenta previa. 3. Plan management, know the limitations 4. Analyze need for referral to higher centre <p>Teacher will analyse the diagnostic skill and preparedness of student</p>
NLHP 6.6	Antepartum Hemorrhage - Abruption placenta	<p>(1hr)</p> <p>Teacher will enable students to -</p> <ol style="list-style-type: none"> 1. Diagnose Antepartum hemorrhage - Abruption placenta based on clinical features and confirmation by ultrasound. 2. Identify the type of Abruption placenta 3. Plan management, know the limitations

		4. Analyze need for referral to higher centre
		Teacher will analyse the diagnostic skill and preparedness of student

Topic 7 Prasava Vigyana - Labour (LH :10 NLHT: 1 NLHP: 17)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO4	Describe <i>Sutikagara nirmana and sangrahaneeeya dravya</i> .	CK	MK	K	L&PPT	S-LAQ,VV-Viva	F&S	II	-	LH
CO3, CO4	Explain chemical composition, indication, contraindication, mode of action, dosage, shelf life, and complications of drugs commonly used during labour. Explain guidelines for use with pharmacotherapeutics.	CK	MK	K	DA,BL, L&PPT	VV-Viva	F	II	-	NLHT7.1
CO4, CO5	Visualize and Demonstrate Labour room set-up and labour room protocol according to National health Guidelines.	PSY-SET	MK	KH	DIS,D,F V,TPW, TBL	PA,VV-Viva	F&S	II	-	NLHP7.1
CO4, CO5	Define <i>Prasava</i> , explain <i>Prasava hetu</i> and <i>Prasava kala</i> .	CK	MK	K	L&PPT	VV-Viva,S-LAQ	F&S	II	-	LH
CO4, CO5	Describe causes of onset of Labour & narrate Physiology of Labour.	CC	MK	K	L&PPT	VV-Viva,S-LAQ	F&S	II	-	LH
CO4, CO5	Diagnose Labour - Identify true and false labour pain.	PSY-GUD	MK	SH	SIM,D-M,CBL, CD	CBA,VV-Viva,SBA,Mini-CEX	F&S	II	-	NLHP7.2
CO4, CO5	Describe anatomy of fetal skull with diameters, fontanelle, and importance in labour.	CC	MK	K	L&PPT	S-LAQ,VV-Viva	F&S	II	-	LH

CO4	Demonstrate anatomy of fetal skull with diameters, fontanelle, and their obstetric importance.	PSY-GUD	MK	SH	D,D-M	P-MOD,V V-Viva	F&S	II	-	NLHP7.3
CO4, CO5	Define and explain the <i>Avasthas - Prajayini, Upastitha Prasava, Asanna Prasava</i> .	CC	MK	K	REC,L &PPT	P-REC,VV- Viva,S-LA Q,PP- Practical	F&S	II	-	LH
CO4	Assess adequacy of pelvis.	CE	MK	SH	D-M,X- Ray,D,S IM	OSCE,VV- Viva,P- PRF,SBA	F&S	II	-	NLHP7.4
CO4	Define Avi Shoola and Grahi Shoola. Explain Prasuti Maruta and Garbhastithi Parivartana during Prasavakala.	CC	MK	K	L&PPT	VV-Viva,S- LAQ	F&S	II	-	LH
CO4	Describe Stages of Labour.	CC	MK	K	L&PPT	S-LAQ,VV- Viva,COM	F&S	II	-	LH
CO4, CO5	Demonstrate events in each stage of labour.	PSY-GUD	MK	KH	D,D-BE D,SIM, CBL,FV	RK,VV-Vi va,CBA,P- VIVA,SP	F&S	II	-	NLHP7.5
CO4	Explain the Mechanism of labour.	CC	MK	K	L&PPT	S-LAQ,VV- Viva	F&S	II	-	LH
CO4	Demonstrate Mechanism of Labour	PSY-GUD	MK	SH	D,SIM, D-M	DOAP,VV- Viva,P-VIV A,P-MOD, S-LAQ	F&S	II	-	NLHP7.6
CO4	Describe Prasava Paricharya. Explain monitoring and	CC	MK	K	L&PPT	VV-Viva,S- LAQ,P- VIVA	F&S	II	-	LH

	management of all stages of labour.									
CO4	Explain the Importance of Partograph.	CC	MK	K	D,L&PP T	VV- Viva,CBA	F&S	II	-	LH
CO4	Monitor labour	CAN	MK	KH	CBL,D, FV,PT, SIM	P-PRF,P-VI VA,VV- Viva,SP	F&S	II	-	NLHP7.7
CO4	Monitor progress and manage stages of labour.	CAN	MK	KH	SIM,CD ,D-BED ,CBL,P T	VV- Viva,Log b ook,P-VIV A,OSCE,C BA	F&S	II	-	NLHP7.8
CO3, CO4	Plot Partograph.	PSY- GUD	MK	SH	D,SIM, PT,D-M	S-LAQ,DO PS,P-PRF, RK,DOAP	F&S	II	-	NLHP7.9
CO3, CO4	Demonstrate and practice Episiotomy on model and simulation.	PSY- SET	MK	SH	FV,D,D -M,L_V C,CBL	VV-Viva,P- PRF	F&S	II	-	NLHP7.10
CO4	Demonstrate applications of Intrapartum fetal monitoring techniques.	PSY- GUD	MK	SH	CBL,L_ VC,D- M,FV,D	Log book,P -VIVA,VV- Viva	F&S	II	H-KB	NLHP7.11
CO4, CO5	Perform <i>Jatamatra Paricharya</i>	PSY- GUD	MK	KH	D-BED, CBL,PT ,PBL,L_ VC	PP-Practica l,VV-Viva, P-CASE,P- VIVA	F&S	II	H-KB	NLHP7.12

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
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NLHT 7.1	Essential drugs for labour practice; as per National protocol.	(1 hr) Teacher will explain chemical composition, indication, contraindication, mode of action, dosage, shelf life, route of administration, and complications of drugs commonly used during labour- a) uterotonics b) analgesics c) ergot alkaloids e) anaesthetics. Explain guidelines for use with pharmacotherapeutics. Student will discuss and analyze the drugs commonly used during labour.
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Non Lecture Hour Practical

S.No	Name of Practical	Description of Practical Activity
NLHP 7.1	Labour Room Setup	(1hr) Teacher will make students familiarize with standards of Labour room set up and gain competency in labour room practice protocol according to National Health Guidelines. Student will get acquainted with the labour room set up and demonstrate functionality with respect to labour room practice protocols according to National Health Guidelines.
NLHP 7.2	Diagnosis of Labour	(1hr) Teacher will equip students to develop clinical diagnostic skills in identifying true labour pains through case presentation and demonstration on model, simulator, clinical examination. Students will observe and imitate examination on model and explain the signs of true labour pains.
NLHP 7.3	Fetal skull and labour	(1 hr) Teacher will demonstrate anatomy of fetal skull with diameters and fontanelles, assessment of presenting part with discussion on obstetric importance. Students will imitate demonstration of fetal skull on models and discuss its outcome on labour.

NLHP 7.4	Adequacy of pelvis	(1 hr) Teacher will demonstrate different scenarios regarding pelvic diameters and engaging diameter of fetal skull. Clinical adequacy features of maternal pelvis through clinical pelvimetry and assess the presenting part. Student will observe and imitate skills of pelvic assessment on model.
NLHP 7.5	Stages of Labour	(3 hrs) Teacher will equip students to develop clinical skill to identify stages of labour with discussion on duration and events of labour. Teacher will use video demonstration of stages of labour/ simulator/case based demonstration of labour process. First stage: Assessment of cervical dilatation and effacement Second stage: Status of membranes, descent of fetus, station of head, expulsion of fetus Third stage: Signs of placental separation, expulsion of placenta, placenta and cord examination. Students will observe and discuss events of each stage of labour alongwith duration and record in prescribed journal proforma.
NLHP 7.6	Mechanism of Labour	(2hrs) Teacher will demonstrate events in Mechanism of labour on model and simulator - Engagement, Descent, Flexion, Internal rotation, Crowning, Extension, Restitution, External rotation, Expulsion. Students will practice, demonstrate on model / simulator and explain each event in mechanism of labour.
NLHP 7.7	Labour monitoring	(1 hr) Teacher will demonstrate the factors of assessment A) Interval, intensity and duration of uterine contractions B) Cervical changes- dilatation, effacement, position, consistency.

		<p>C) Station of presenting part</p> <p>D) Status of membranes & Liquor Student will observe and document progress of labor in prescribed case proforma.</p> <p>Students will observe and document in prescribed journal proforma.</p>
NLHP 7.8	Management of stages of labour	<p>(1 hr)</p> <p>Teacher will enable students to develop skill of management of labour. Steps of management of each stage beginning from observation, counseling, preparedness and implement action / intervention as needed.</p> <p>Students will demonstrate skills to identify the active stage and progress of labour with the steps of management.</p> <p>Record the findings in prescribed journal format.</p>
NLHP 7.9	Plot partograph	<p>(2 hrs)</p> <p>Teacher will enable students to monitor labour progress and plot partograph for proper management and timely intervention.</p> <p>Students will discuss the components of partograph - alert line, action line and other aspects and practice to plot.</p> <p>Teacher will evaluate and provide feedback.</p>
NLHP 7.10	Episiotomy	<p>(2 hrs)</p> <p>Teacher will demonstrate Episiotomy on manikin and discuss types -Medial ,Lateral, Mediolateral & J-shaped with administration of local anaesthesia.</p> <p>Explain the merits and demerits of different types of incision.</p> <p>Demonstrate repair in layers with suturing techniques.</p> <p>Student will practice episiotomy on manikin and imitate repair Discuss possible complications, post repair assessment and plan perineal care.</p>

NLHP 7.11	Intrapartum fetal monitoring techniques	(1 hr) Teacher will demonstrate with video / clinical case and interpret the result of Intrapartum fetal monitoring. Student will discuss and analyse different techniques and its clinical importance.
NLHP 7.12	<i>Jatamatra Paricharya</i>	(1hr) Teacher will demonstrate immediate newborn care on model / case Student will practice newborn resuscitation on model.

Topic 8 Prasava Vyapad - Labour Complications & Obstetric Emergencies. (LH :6 NLHT: 2 NLHP: 4)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO4	Elaborate - <i>Paribhasa, Nidana, Samprapti, Lakshana and Chikitsa of Akala Prasava</i> (Preterm labour).	CC	MK	K	L&PPT	COM,VV-Viva,S-LAQ	F&S	III	-	LH
CO4	Analyze management of preterm labour through observation.	CAN	MK	KH	PBL,CD,CBL,D-BED	COM,S-LAQ,CBA,VV-Viva,SBA	F&S	III	-	NLHP8.1
CO4	Explain Pre-labour rupture of membranes (PROM)	CC	MK	KH	PBL,CBL,L&PPT,CD	VV-Viva,COM,S-LAQ	F&S	III	-	LH
CO4	Elaborate - <i>Paribhasa, Nidana, Samprapti, Lakshana and Chikitsa of Vilambita Prasava</i> (Prolonged labour)	CC	MK	KH	L&PPT	VV-Viva,COM,S-LAQ	F&S	III	-	LH
CO4	Analyze causes and plan management in <i>Vilambita prasava</i> (Prolonged labour)	CAP	MK	K	L&PPT,CD,PBL,CBL	S-LAQ,VV-Viva,CBA	F&S	III	-	NLHT8.1

CO4	Elaborate <i>Kalateeta Prasava</i> and Postmaturity.	CC	MK	K	L&PPT ,CBL,P BL,CD	COM,S-LA Q,VV-Viva ,P-VIVA	F&S	III	-	NLHT8.2
CO4	Define Postpartum Hemorrhage. Describe classification and explain causes and clinical features.	CC	MK	K	L&PPT ,CBL	COM,S-LA Q,VV-Viva	F&S	III	-	LH
CO4	Describe complications and steps of management of postpartum haemorrhage.	CC	MK	K	L&PPT	VV-Viva,C OM,SBA,S -LAQ,P- VIVA	F&S	III	-	LH
CO4	Elaborate <i>Paribhasa, Nidana, samprapti, lakshana</i> and <i>chikitsa of Aparasanga</i> (Retained placenta)	CC	MK	K	L&PPT	S-LAQ,CB A,VV- Viva,COM	F&S	III	-	LH
CO4	Demonstrate causes and clinical features of Postpartum Hemorrhage (PPH).	CAP	MK	KH	CBL,L &PPT , SIM,DI S,PBL	P-VIVA,PP -Practical,V V-Viva,S- LAQ,CBA	F&S	III	-	NLHP8.2
CO4	Demonstrate management of Retained placenta.	PSY- SET	MK	SH	CBL,C D,D-M	P-MOD,SB A,CBA,S-L AQ,VV- Viva	F&S	III	-	NLHP8.3
CO4	Practice steps of management under guidance, in Postpartum Hemorrhage (PPH).	PSY- GUD	MK	SH	D-M,C BL,SIM ,D,TBL	PP-Practica l,TR,COM, VV- Viva,Log book	F&S	III	-	NLHP8.4

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
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NLHT 8.1	Prolonged Labour	<p>(1 hr) Teacher will demonstrate -</p> <ol style="list-style-type: none"> 1. Diagnosis of Prolonged Labour 2. Analysis of cause 3. Assessment of fetal wellbeing 4. Anticipate complications 5. Plan management. <p>Student will discuss diagnosis, possible complications and plan of management</p>
NLHT 8.2	Postmaturity	<p>(1 hr) Teacher will demonstrate -</p> <ol style="list-style-type: none"> 1. Diagnosis of Post maturity 2. Plan investigations 3. Assessment of fetal wellbeing 4. Anticipate complications 5. Plan management

		Student will discuss diagnosis, assessment methods, possible complications and plan of management.
Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 8.1	Preterm labour	(1hr) Teacher will discuss the methods of determining gestational age ,assess established labor and propose plan of management Students will observe and document.
NLHP 8.2	Postpartum Hemorrhage	(1hrs) Teacher will demonstrate - 1. Diagnosis of Postpartum hemorrhage. 2. Analyze underling cause 3. Assess the condition of patient and explain need of resuscitation. Student will discuss causes of postpartum hemorrhage - Tone, Trauma, Tissue, Thrombin. Peer discussion on clinical findings to know the cause.
NLHP 8.3	Retained placenta	(1hr) Teacher will demonstrate the signs of retained placenta and steps of management Student will observe, analyze the underlying cause and document
NLHP 8.4	Postpartum hemorrhage management.	(1hr) Teacher will -

		<ol style="list-style-type: none"> 1. Demonstrate techniques for manual removal of the placenta and management of postpartum hemorrhage using simulation models. 2. Manage birth canal injuries. 3. Identification of Atonic uterus and demonstrate bimanual compression. 4. Demonstrate PPH (Postpartum Hemorrhage) drill. <p>Students will participate in the drill and demonstrate management techniques.</p>
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Topic 9 Moodhagarbha - Obstructed Labour (LH :8 NLHT: 3 NLHP: 6)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO1, CO4	Explain- <i>Nirukti, Paribhasa, Nidana, Samprapti, Lakshana</i> of <i>Moodhagarbha</i> .	CC	DK	K	L&PPT	COM,VV-Viva,S-LAQ,P-REC	F&S	III	-	LH
CO4	Elaborate <i>Bheda, Gati</i> and <i>Chikitsa</i> of <i>Moodhagarbha</i> .	CC	MK	K	L&PPT ,D-M	VV-Viva,C OM,S-LAQ ,P-REC	F&S	III	-	LH
CO4	Demonstrate <i>Bheda and Gati</i> of <i>Moodhagarbha</i> .	CAP	MK	KH	D-M,L &PPT ,PrBL,D	VV-Viva,PRN,S-LAQ, P-MOD	F&S	III	-	NLHT9.1
CO4	Enumerate different types of abnormal presentations.	CK	DK	K	L&PPT	VV-Viva	F	III	-	LH
CO4	Demonstrate Assisted Breech delivery techniques.	PSY-SET	DK	KH	SIM,D-M,L_V C	P-MOD,V V-Viva	F	III	-	NLHP9.1

CO4	Describe Cephalopelvic disproportion (CPD)	CC	MK	K	L&PPT	VV-Viva,S-LAQ	F&S	III	-	LH
CO4	Diagnose Cephalopelvic disproportion (CPD).	CAN	MK	KH	SIM,D-M	VV-Viva,P-MOD	F	III	-	NLHP9.2
CO4	Describe Upadrava of Moodha garbha. - Garbhakosha Parasanga, Makkala and Yonisamvarana.	CK	MK	K	L&PPT	S-LAQ,VV-Viva,P-REC	F	III	-	LH
CO4	Demonstrate Upadrava of Moodha garbha - Garbhakosha Parasanga, Makkala and Yonisamvarana	CAP	MK	KH	CBL,L &GD	VV-Viva	F	III	-	NLHP9.3
CO4	Describe obstetric emergencies with causes, clinical features and complications - cord prolapse, uterine inversion, amniotic fluid embolism, obstetric shock and uterine rupture.	CC	DK	K	L&PPT ,CBL	VV-Viva	F	III	-	LH
CO4	Discuss causes, clinical features and findings of investigation in obstetric emergencies.	CC	DK	K	PSM,L VC,SIM ,D	INT,P-ID,V V-Viva	F	III	-	NLHT9.2
CO4	Describe Bishop's Score.Explain methods of induction and augmentation of labour.	CC	DK	K	L&PPT	S-LAQ,VV-Viva	F&S	III	-	LH
CO1, CO3, CO4	Explain -a. Indications, contraindications, procedure and complications of ventouse delivery.b. Indications, contraindications, procedure and complications of forceps delivery.c. Indications, types and procedure of caesarean section.	CC	MK	K	L&PPT ,FV	COM,VV-Viva,S-LAQ	F&S	III	-	LH
CO1, CO3, CO4	Calculate and Interpret Bishop's score.Demonstrate forceps application, vacuum extraction and Caesarean Section.Explain indications and complications for each mode of assistance.	CAP	DK	KH	D-M,L VC,D	P-MOD,V V-Viva,COM	S	III	-	NLHP9.4
CO1, CO4	Demonstrate abnormal presentations - face, brow, shoulder	CAP	MK	KH	D-M,L &PPT	SBA,P-EX AM,VV-	S	III	-	NLHT9.3

						Viva				
Non Lecture Hour Theory										
S.No	Name of Activity	Description of Theory Activity								
NLHT 9.1	<i>Moodhagarbha - Bheda and Gati.</i>	(1 hr) Teacher will demonstrate <i>Bheda</i> and <i>Gati</i> of <i>Moodhagarbha</i> on model/manikin/3D. Students will compile and present <i>Moodhagarbha</i> with peer discussion.								
NLHT 9.2	Obstetric Emergencies	(1 hr) Teacher will demonstrate identification of obstetric emergency through examination and investigations. Plan mock Drill for timely referral to higher centers. Students will observe and participate.								
NLHT 9.3	Abnormal presentations – face, brow, shoulder presentations	(1 hr) Teacher will demonstrate abnormal presentations – face, brow, shoulder presentations on model/manikin/3D video/case. Student will practice abnormal presentations on model and discuss its outcome on labour.								
Non Lecture Hour Practical										
S.No	Name of Practical	Description of Practical Activity								
NLHP 9.1	Assisted Breech delivery.	(2 hrs) Teacher will demonstrate on manikin / model / with 3D video. 1. Clinical diagnosis of type of breech								

		<p>2. Determining positions (L.S.A/R.S.A/R.S.P/L.S.P.)</p> <p>3. Preparedness</p> <p>4. Steps of assisted breech delivery</p> <p>Student will observe and analyze steps of breech delivery.</p>
NLHP 9.2	Assesment of Cephalo-Pelvic Disproportion	<p>(1 hr)</p> <p>Teacher will demonstrate and guide student to assess cephalo pelvic disproportion by clinical assessment.</p> <p>Student will observe, discuss and emulate clinical examination to diagnose CPD.</p>
NLHP 9.3	Complications of <i>Moodha Garbha</i>	<p>(1 hr)</p> <p>Teacher will discuss the complications of obstructed labour and demonstrate outcomes-cervical dystocia and uterine rupture.</p> <p>Students will analyze the complications and discuss preventive strategies.</p>
NLHP 9.4	<p>1. Bishop's score and Induction/ Augmentation of Labour</p> <p>2. Assisted labour techniques</p>	<p>(2 hrs)</p> <p>1. Teacher will demonstrate components of Bishop's score on model / clinical case and interpret the score favourable for induction of labour and decide the method of induction.</p> <p>Student will observe and document the components of Bishop's score.</p> <p>2. Teacher will demonstrate assisted labour techniques namely forceps application, vacuum extraction, caesarean section through video /manikin / case.</p> <p>Students will observe and record in prescribed journal proforma.</p>
Topic 10 Sootika Vigyana - Puerperium (LH :3 NLHT: 1 NLHP: 3)		

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO4	Define <i>Sootika</i> and explain <i>Sootika Kala</i> with <i>Paricharya</i> . Describe puerperal changes and explain post-partum care.	CC	MK	K	L&PPT, REC	P-REC, S-LAQ, COM, VV-Viva	F&S	III	-	LH
CO4	Demonstrate clinical examination of a puerperal woman - abdominal, perineal, and breast.	PSY-GUD	MK	SH	CBL, D, D-BED, SIM, D-M	P-VIVA, P-CASE, VV-Viva	F&S	III	-	NLHP10.1
CO4	Describe <i>Nidana</i> , <i>Samprapti</i> , <i>Lakshana</i> , <i>Bheda</i> and <i>Chikitsa</i> of <i>Sootika Vyapad</i> .	CC	MK	K	PBL, CBL, L&PPT	S-LAQ, COM, VV-Viva	F&S	III	-	LH
CO4	Explain causes, clinical features, management and complications of puerperal diseases.	CC	MK	K	DIS, CBL, CD, PBL, L&PPT	COM, S-LAQ, VV-Viva	F&S	III	-	NLHT10.1
CO4	Present case study on <i>Sootika Vyadhi</i> .	PSY-GUD	MK	SH	D-BED, SIM, CD, PER, PBL	VV-Viva, CL-PR, P-CASE, P-VIVA	F&S	III	-	NLHP10.2
CO4, CO5, CO6	Explain contraception and family planning methods.	CK	MK	K	L&PPT, DIS	S-LAQ, VV-Viva, COM	F&S	III	-	LH
CO4, CO5	Justify selection of contraceptives with method and time of administration.	CE	MK	KH	DIS, TUT, D, D-M, SIM	VV-Viva, P-PRF, OSCE, PP-Practical	F&S	III	-	NLHP10.3

Non Lecture Hour Theory		
S.No	Name of Activity	Description of Theory Activity
NLHT 10.1	Puerperal diseases.	(1 hr) Teacher will describe and explain puerperal diseases and discuss plan of management. Student will analyze the causes of puerperal diseases and discuss preventive strategies by implementation of <i>sootika paricharya</i> .
Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 10.1	Examination of a puerperal woman - abdominal, perineal, and breast.	(1 hr) Teacher will - <ol style="list-style-type: none"> 1. Demonstrate breast examination 2. Demonstration of consistency and involution of uterus with other pelvic structures. 3. Demonstrate perineal examination 4. Explain characteristics of normal lochia. Student will observe and practice abdominal examination on model / manikin. Student will record in prescribed journal proforma.
NLHP 10.2	<i>Sootika Vyadhi</i>	(1 hr) Students will be divided into groups. They will record cases of <i>Sootika vyadhi</i> under guidance of teacher and present with peer discussion. Teacher will assess the skill of history taking, examination and provide feedback.
NLHP 10.3	Contraception	(1 hr)

		<p>Teacher will discuss contraceptive methods.</p> <p>a. Temporary: Physical method/Oral contraceptives/Intra uterine contraceptive devices/ Emergency contraception.</p> <p>b. * Permanent methods. (* Details in Paper-II)</p> <p>1. Select ideal method of contraception 2. Prerequisites for administration of contraceptives 3. Demonstrate the method of use / administration Student will be given case scenarios to select appropriate contraceptive method with time of administration.</p>
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Topic 11 Stanya Vigyana - Lactation (LH :2 NLHT: 2 NLHP: 2)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO4	Explain <i>Stanya Utpatti</i> and describe <i>Stanya Sampat Lakshana</i> . Describe physiology of lactation and components of breast milk.	CC	MK	K	L&PPT	VV-Viva,S-LAQ	F&S	III	-	LH
CO4	Analyze Breast milk components and Learn breastfeeding techniques.	CAN	MK	KH	SIM,L&PPT	VV-Viva,S-LAQ	F&S	III	H-KB	NLHT11.1
CO4	Demonstrate breast feeding techniques.	PSY-GUD	MK	SH	RP,D-BED,CB L	VV-Viva	F	III	-	NLHP11.1
CO4	Describe <i>Nidana, Samprapti, Lakshana</i> of <i>Stanya</i>	CC	MK	K	L&PPT	VV-Viva,S-	F&S	III	-	LH

	<i>Dushti and Stana Vidradhi.</i>					LAQ				
CO4	Explain causes,clinical features,investigations and management of mastitis and breast abscess.	CC	MK	K	D,CD,D A,CBL, PBL	VV-Viva, C -VC,S-LA Q,P-CASE	F&S	III	H-SH	NLHT11.2
CO4	Diagnose Breast Engorgement, Mastitis, Breast abscess.	CAP	MK	KH	D,CBL, CD,PBL ,D-BED	S-LAQ,P-C ASE,P-VIV A,P-ID,VV- Viva	F&S	III	H-SH	NLHP11.2

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 11.1	Breast milk and feeding techniques.	(1hr) Teacher will discuss breast milk components with its importance and demonstrate breast feeding techniques. Student will observe and review the breast milk substitutes from literature and discuss the importance of breast feeding for maternal and child health.
NLHT 11.2	Mastitis and Breast Abscess.	(1 hr) Teacher will explain causes, clinical features and examination of breast for diagnosis of mastitis and breast abscess with plan of management. Student will observe and learn medical and surgical management of breast abscess.

Non Lecture Hour Practical

S.No	Name of Practical	Description of Practical Activity
NLHP 11.1	Techniques of Breastfeeding.	(1 hr) Students will be divided into groups and will emulate breast feeding techniques in different postures. Teacher will assess the techniques and provide feedback.

NLHP 11.2	Breast Engorgement, Mastitis, Breast abscess	(1hr) Teacher will demonstrate Breast Engorgement, Mastitis, Breast abscess. with Video / Clinical case and explain plan of management Student will observe and identify the clinical features and discuss medical and surgical management
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Paper 2 (STREE ROGA - GYNAECOLOGY)

A3 Course outcome	B3 Learning Objective (At the end of the session, the students should be able to)	C3 Domain/sub	D3 MK / DK / NK	E3 Level	F3 T-L method	G3 Assessment	H3 Assessment Type	I3 Term	K3 Integration	L3 Type
Topic 12 Stree Prajanananga Nirmana and Vikruti - Development of Female Reproductive System with Anomalies. (LH :3 NLHT: 2 NLHP: 4)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO2	Explain the development of the Female Reproductive system from the Mullerian duct - Stree Jananaga Vikara (Muillerian duct anomalies)	CC	MK	K	L&PPT	COM,S-LA Q,VV-Viva	F&S	I	-	LH
CO1, CO2	Demonstrate the anatomy of female reproductive system.	CAP	MK	KH	D-M,L_V C	S-LAQ,M-CHT,VV-Viva,P-ID,P-VIVA	F&S	I	-	NLHP12.1
CO1, CO2	Demonstrate the anomalies of Female Reproductive system.	CAP	MK	KH	D-BED, PBL,L&	P-VIVA,V V-Viva,P-I	F&S	I	-	NLHP12.2

					PPT ,C BL,D-M	D,S- LAQ,QZ				
CO1, CO2	Explain Neuendorocrinology in Puberty & Menopause	CC	MK	K	L&PPT	S-LAQ,VV- Viva	F&S	I	-	LH
CO1, CO2	Explain Anatomical and Physiological aspects of Puberty and Menopause.	CC	MK	K	L&PPT	S-LAQ,VV- Viva,COM	F&S	I	-	LH
CO2	Explain neuroendocrinology with respect to puberty - hormones and functions.	CC	MK	K	PER,DI S	VV-Viva,S- LAQ,CL- PR	F&S	I	-	NLHT12.1
CO2	Explain applied aspects of Puberty and Adolescence.	CAP	MK	K	DIS,PE R	CL-PR,S-L AQ,VV- Viva	F&S	I	-	NLHT12.2
CO2	Demonstrate Pubertal changes –Thelarche, Pubarche and Menarche	CAP	MK	KH	PER,CB L,D	QZ ,VV- Viva	F&S	I	-	NLHP12.3
CO2	Identify normal and abnormal Pubertal changes.	CAN	MK	KH	D-M,C D,DIS	QZ ,VV- Viva	F&S	I	-	NLHP12.4

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 12.1	Neuroendocrinology with respect to Puberty	(1hr) Students will have class presentation,discussion and concluding remarks by teacher.
NLHT 12.2	Applied aspects - Puberty and Adolescence	(1hr) Students will have Class presentation ,Group discussion on healthy transition through Puberty and Adolescence followed by concluding remarks by the teacher.

Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 12.1	Development of Female reproductive system	(1hr) Teacher will demonstrate development Female reproductive system from Mullerian Duct system on model / with video Student will discuss and analyse the possible defects.
NLHP 12.2	Anomalies of Female reproductive system	(1 hr) Teacher will demonstrate the Structural anomalies of Female reproductive system on model / video/ case instances Student will observe and analyze the underlying cause.
NLHP 12.3	Puberty	(1hr) Teacher will demonstrate changes in Puberty on Model / Charts / Case Students will discuss Pubertal changes -Thelarche- Tanner's staging , Pubarche & Menarche.
NLHP 12.4	Identify normal and abnormal Pubertal changes.	(1hr) Teacher will demonstrate Normal changes and discuss Abnormal conditions on Video / Chart / Case. Students will analyze outcomes of abnormal Puberty.

Topic 13 Yantra evam Shastra - Instruments (LH :1 NLHT: 1 NLHP: 6)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO3	Elaborate instruments commonly used in procedures and surgeries in Stree Roga (Gynaecology) and Prasuti tantra (Obstetrics). Describe the type of Yantra (Blunt instruments) and its utilization. 1. Sandansha Yantra- (Pincer-like	CC	MK	K	L&PPT ,D	P-EXAM,D OPS,P-ID, VV- Viva,DOPS	F&S	I	-	LH

	or dissecting forceps) Annigraha - plain/ non-toothed forceps, Sannigraha - Toothed forceps.2. Swastika Yantra (Cruciform like forceps) - Allies forceps, Vulsellum, Sponge holding forceps, Artery forceps, Babcock,s forceps, Cheatle's forceps, Kocher's forceps, Needle holder, Artery forceps, Ovum forceps, Green armytage forceps, Cervical punch biopsy forceps. 3. Shalaka Yantra- (Rod like instruments) - Uterine sound, Hegar's dilator, Uterine curette, endometrial biopsy curette, Anterior vaginal wall retractor, Agnikarma Shalaka4. Tala Yantra- (scoop or spoon-shaped instruments) - Sim's speculum, Cusco's speculum, Doyen's retractor, Obstetric forceps, Endometrial curette. 5.Nadi Yantra - (Tubular instruments) - Yonivranekshana yantra, Endometrial biopsy cannula, HSG cannula/ Rubin's cannula, Suction cannula, Uttara basti cannula, Leech Wilkinson's cannula, Basti yantra. Describe types of Shastra (Sharp instruments) and utilization: 1. Kartari Shastra - Scissors;Atimukha Shastra - Episiotomy scissorsMandalagra Shastra, umbilical cord-cutting scissors,Shararimukha Shastra - Mayos scissors / simple scissors, Stich removing scissors. 2. Vriddhipatra Shastra - Scalpel 3. Suchi Shastra - different types of needles.									
CO3	Identify & Discuss the uses of instruments with method of sterilization.	CC	MK	K	PT,D	VV-Viva,P-EXAM,OS CE	F&S	I	-	NLHT13.1
CO3	Describe instrument sterilization methods	CC	MK	K	PT,D	INT,VV-Viva	F	I	H-SH	NLHP13.1
CO3	Demonstrate the techniques of holding and using instruments .Enlist uses in <i>Prasuti & Stree Roga -Sandansham and Swastika yantra</i>	PSY-GUD	MK	SH	D	VV-Viva,P-VIVA,P-EXAM	F&S	I	-	NLHP13.2
CO3	Demonstrate techniques of holding and using instruments .Enlist	PSY-	MK	SH	D	PP-Practica	F&S	I	-	NLHP13.3

	uses in <i>Prasuti & Stree Roga</i> - Shalaka, Tala & Nadi yantra	GUD				1,P-EXAM, VV-Viva,P- ID,P-VIVA				
CO3	Practice techniques of holding and using Sharp instruments. Enlist uses in <i>Prasuti and Stree roga</i>	PSY- GUD	MK	SH	D	P-ID,VV- Viva	F&S	I	-	NLHP13.4

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 13.1	Instruments used in Obstetrics and Gynaecology	(1 hr) Teacher will facilitate students to get familiarize with Instruments commonly used in Obstetrics and Gynaecology and discuss methods of sterilization for blunt and sharp instruments Students will document instruments with, <ol style="list-style-type: none"> 1. Identification 2. Description 3. Uses 4. Advantages & Disadvantages

Non Lecture Hour Practical

S.No	Name of Practical	Description of Practical Activity
NLHP 13.1	Instrument sterilization methods	(1hr) Teacher will enable students to experience the method processing of instruments Students will have exposure to - <ol style="list-style-type: none"> 1. Disinfection of Instruments 2. Scrubbing methods 3. Sterilization methods for blunt instruments 4. Sterilization methods for sharp instruments

NLHP 13.2	Instruments - <i>Sandansha and Swastika yantra</i>	<p>(2hrs)</p> <p>Teacher will demonstrate techniques of holding and using instruments - <i>Sandanmsha and Swastika yantra</i></p> <p>Students will practice the technique of holding and using -</p> <ol style="list-style-type: none"> 1. <i>Sandansha Yantra</i> (Pincer like or dissecting forceps) – <i>Annigraha</i> – plain non-toothed forceps; <i>Sannigraha</i> – Toothed forceps 2. <i>Swastika Yantra</i> (Cruciform like Forceps) - <i>Allies</i> forceps, <i>Vulsellum</i>, <i>Sponge holding forceps</i>, <i>Cheatle's forceps</i>, <i>Kocher's forceps</i>, <i>Babcock's forceps</i>, <i>Needle holder</i>, <i>Artery forceps</i>, <i>Babcock's forceps</i>, <i>Ovum forceps</i>, <i>Green armytage forceps</i>, <i>Cervical punch biopsy forceps</i>.
NLHP 13.3	Instruments - <i>Shalaka, Tala & Nadi yantra</i>	<p>(2hrs)</p> <p>Teacher will demonstrate techniques of holding & using instruments - <i>Shalaka, Tala and Nadi yantra</i></p> <p>Students will practice the technique of holding and using -</p> <ol style="list-style-type: none"> 3. <i>Shalaka Yantra</i>- (Rod like instruments) - <i>Uterine sound</i>, <i>Hegar's dilator</i>, <i>Uterine curette</i>, <i>endometrial biopsy curette</i>, <i>Anterior vaginal wall retractor</i>, <i>Agnikarma shalaka</i>. 4. <i>Tala Yantra</i> (Scoops or spoon-shaped instruments - <i>Dvi Tala yantra</i> - <i>Sim's speculum</i>, <i>Endometrial curette</i>, <i>Cusco's speculum</i>, <i>Doyen's retractor</i>, <i>Obstetric forceps</i>. 5. <i>Nadi Yantra</i> (Tubular instruments)- <i>Yonivranekshana yantra</i>, <i>Leech Wilkinson's HSG cannula</i>, <i>Rubin's cannula</i>, <i>Suction cannula</i>, <i>UttaraBasti cannula</i>, <i>Vaginal douching syringe</i>, <i>Basti yantra</i>.
NLHP 13.4	Sharp instruments.	<p>(1hr)</p> <p>Teacher will demonstrate holding & using various <i>Shastra</i> (sharp instruments)</p> <p>Students will practice the technique of holding & using -</p> <ol style="list-style-type: none"> 1. <i>Kartari Shastra</i> - <i>Scissors</i>; <i>Atimukha Shastra</i> - <i>Episiotomy Scissors</i>, <i>Mandalagra Shashtra</i> - <i>Umbilical cord cutting Scissors</i>, <i>Shararimukha Shastra</i> - <i>Mayos Scissors</i> / <i>Simple scissors</i>, <i>Stitch removing Scissors</i> 2. <i>Vridhipatra Shastra</i> – <i>Scalpel</i> 3. <i>Suchi Shastra</i> – different types of needles

Topic 14 Stree Rugna Parikshana - Gynaecological Examination (LH :2 NLHT: 1 NLHP: 4)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO2, CO6	Enumerate history taking in Gynaecology.	CK	MK	K	DIS,L&PPT	P-CASE,P-VIVA,RK,PP-Practical,CL-PR	F&S	I	-	LH
CO2, CO6	Elaborate essential components of Gynaecological history taking.	CK	MK	K	CBL,L&PPT,CD,DIS	PP-Practical,P-VIVA,SBA,P-CASE,P-EXAM	F&S	I	-	NLHT14.1
CO2, CO6	Acquire the knowledge of Gynecological examination- Breast examination, Abdominal examination, Pelvic , Per rectal examination and plan investigations	CAP	MK	SH	L&PPT,PL	VV-Viva,P-PRF,P-EXAM,PP-Practical,P-VIVA	F&S	I	-	LH
CO2, CO6	Demonstrate General - Physical & Systemic examination in Gynaecology Breast examination.	PSY-GUD	MK	SH	D-M,CBL,SDL,D-BED,RP	RK,P-CASE,P-PRF,P-EXAM,VV-Viva	F&S	I	-	NLHP14.1
CO2, CO6	Demonstrate Abdominal Examination in Gynaecology – Inspection, Palpation, Percussion & Auscultation	PSY-GUD	MK	SH	D-BED,SIM,D-M,D,CBL	P-PRF,P-VIVA,VV-Viva,DOAP,OSCE	F&S	I	-	NLHP14.2
CO2, CO6	Demonstrate Vaginal Examination - Inspection & Palpation of External genitalia.Speculum examination, Bimanual examination, Rectovaginal & Per Rectal examination.	PSY-GUD	MK	SH	SIM,DL,PT,TBL,CD	OSCE,DOAP,P-CASE,P-EXAM,P-PRF	F&S	I	-	NLHP14.3

CO2	Plan Diagnostic procedures - Cervical & Vaginal smear, Colposcopy, Endometrial sampling & Culdocentesis.	CS	MK	KH	L_VC,L &GD,L RI,CD, CBL	S-LAQ,VV -Viva,P-VI VA,P- EXAM	F&S	I	-	NLHP14.4
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Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 14.1	Gynaecological history taking.	<p>(1hr)</p> <p>Teacher will discuss essential components of Gynaecological history taking based on case scenario / clinical case and on various essential components viz , Age, parity & complaint specific elicitation of history -</p> <p>Chief complaints in chronological order</p> <p>Important aspects of Gynaecological history</p> <p>Pelvic pain</p> <p>Vaginal discharge</p> <p>Menstrual abnormality & abnormal uterine bleeding</p> <p>Presence of Urinary / Fecal incontinence</p> <p>Something coming down per vagina</p> <p>Past Obstetric history</p> <p>Past Gynaecological history</p> <p>Past Medical & Surgical history</p> <p>Marital & Sexual history – Dyspareunia , Vaginismus</p> <p>Contraceptive history</p> <p>Drug history</p> <p>Students will comprehend ,discuss and record in prescribed case proforma.</p>

Non Lecture Hour Practical

S.No	Name of Practical	Description of Practical Activity
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NLHP 14.1	Examination in Gynaecology including Breast	<p>(1hr)</p> <p>Demonstration on Manikin / Clinical case by the teacher -</p> <p>Physical examination: Appearance, Built ,Nutrition, Height,Weight, Edema, Pallor, Cyanosis, Icterus, Clubbing, Secondary sexual characters, BP Pulse, Respiration & Temperature</p> <p>Systemic examination : C V S, Respiratory system, G I system, Neurological system</p> <p>Clinical Breast Examination: Breast size, Symmetry, Skin, Areola & Nipple</p> <p>Student will observe and emulate examination on Manikin / case under guidance. Teacher will provide feedback to improve skill of students.</p>
NLHP 14.2	Abdominal Examination in Gynaecology	<p>(1hr)</p> <p>Demonstration of Abdominal examination by the teacher on Model / Manikin / Clinical Case -</p> <p>Prerequisites : Obtain consent & introduce self</p> <p>Ask the patient to void urine</p> <p>Accompany female attendant</p> <p>Stand on right side of the patient</p> <p>Position of patient -Dorsal supine position</p> <p>Abdomen is exposed fully</p> <p>"9 region Abdominal assessment"</p> <p>Steps : 1.Inspection</p> <p>2.Palpation</p> <p>3.Percussion</p> <p>4.Auscultation</p> <p>Students will observe and emulate Abdominal examination under guidance of teacher on Model/ Manikin/Clinical case.</p> <p>Teacher will provide feedback to improve skill of students.</p>
NLHP 14.3	Vaginal ,Recto vaginal & Per Rectal examination	<p>(1hr)</p> <p>Teacher will demonstrate examination of external genitalia, Internal genitalia & Recto vaginal examination</p>

on Model / Manikin / Clinical case

Steps :

1. Pre-requisites - Consent, Privacy, good source of light, gloved hands & Examination specific preparedness –

Bladder emptying

Position : Dorsal supine position / Dorsal lithotomy position /Sim's or Lateral position

2. Demonstration of External Genital organs – Inspection & palpation

A .Inspection of External Genitalia – Vulva

Labia majora & Labia minora

Clitoris

Urethra

Fourchette

Vaginal Introitus

Bartholin's gland

Gynaecological perineum

Anus

B. Palpation of External Genitalia & Vagina

Urethra & Bartholin gland

3. Demonstration of Per speculum examination

		<p>Visualization with Sim’s speculum & Anterior vaginal wall retractor /Cusco’s speculum</p> <p>Note the findings of Vagina on inspection & Speculum examination</p> <p>Note the cervical findings</p> <p>4.Demonstration of Bimanual examination / Pelvic examination</p> <p>Note the Size ,Position & Mobility of Uterus</p> <p>Palpation of Fornices & Adnexa</p> <p>5. Demonstration of Recto vaginal & Per rectal examination</p> <p>Inspection & Palpation of Rectovaginal area (Gynaecological perineum) -Palpate rectovaginal septum , Pouch of douglas , Posterior surface of uterus , fornices and uterosacral ligaments</p> <p>Per rectal examination - Understand indications and perform with gloved lubricated index finger</p> <p>Summarize the findings/case</p> <p>Students will emulate and document in the journal .</p>									
NLHP 14.4	Plan Diagnostic procedures	<p>(1hr)</p> <p>Teacher will explain the indications and demonstrate diagnostic procedures -Cervical & Vaginal smear collection, Colposcopy, Endometrial sampling & Culdocentesis</p> <p>Students will plan the diagnostic procedure on the given case scenario.</p>									
Topic 15 Artava Vyapad - Menstrual Disorders (LH :6 NLHT: 2 NLHP: 4)											
A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3	

CO2	Explain <i>Nidana, Samprapti, Lakshana and Chikitsa of Ashta-Artava Dushti.</i>	CC	MK	K	L&PPT	P-VIVA,S-LAQ,P-REC,VV-Viva,COM	F&S	I	-	LH
CO2	Acquire comprehensive understanding of <i>Ashta-Artava Dushti.</i>	CAP	MK	KH	REC,DIS,L&PPT,CBL,CD	S-LAQ,P-REC,CBA,VV-Viva	F&S	I	-	NLHT15.1
CO2	Explain <i>Nidana, Samprapti, Lakshana and Chikitsa of Artava kshaya</i> with understanding of Oligomenorrhoea and Hypomenorrhoea	CC	MK	K	DIS,L&PPT	VV-Viva,S-LAQ,P-REC	F&S	I	-	LH
CO2	Identify, record and plan the management of <i>Artava Kshaya</i> - Oligomenorrhoea & Hypomenorrhoea	CS	MK	KH	CBL,CD,DIS	SP,SBA,P-CASE,P-VIVA,VV-Viva	F&S	I	-	NLHP15.1
CO2	Explain polycystic Ovarian Syndrome (PCOS) – Aetiology, Pathophysiology, Clinical features, Investigations, consequences and management	CC	MK	K	L&PPT,CD	S-LAQ,VV-Viva	F&S	I	-	LH
CO2	Describe <i>Nidana, Samprapti, Lakshana and Chikitsa of Anartava</i> Describe etiology, types, clinical features, differential diagnosis, diagnosis and management of Amenorrhoea.	CC	MK	KH	L&PPT,CBL,CD	S-LAQ,CBA,P-VIVA	F&S	I	-	LH
CO2, CO6	Diagnose Amenorrhoea and plan management.	CS	MK	KH	D-BED,CBL,DIS,CD,PBL	CBA,SP,S-LAQ,P-VIVA,VV-Viva	F&S	I	-	NLHP15.2
CO2,	Diagnose and plan management of Poly Cystic Ovarian Syndrome	CS	MK	KH	CD,CB	SP,P-CASE	F&S	I	-	NLHP15.3

CO6	(PCOS)				L,LRI,D IS	,VV-Viva,R K,P-VIVA				
CO2, CO6	Explain <i>Nidana, Samprapti, Lakshana and Chikitsa of Asrugdara and Artava Vruddhi.</i>	CC	MK	K	CD,CB L,L&PP T	VV-Viva,C BA,COM,S BA,S-LAQ	F&S	I	-	LH
CO2, CO6	Describe etiology, types, clinical features, differential diagnosis, diagnosis and management of Abnormal uterine bleeding.	CC	MK	K	L&PPT ,CD,CB L,LRI	S-LAQ,CB A,VV-Viva	F&S	I	-	LH
CO2, CO6	Describe - <i>Artava Kshaya, Anartava, Asrugdara & Artava Vruddhi.</i>	CC	MK	K	PER,RE C,DIS,C BL	SBA,CBA, PM,CL-PR, VV-Viva	F&S	I	-	NLHT15.2
CO2, CO6	Identify the causes and plan management of <i>Asrugdara</i> and <i>Artava Vruddhi.</i>	CS	MK	KH	CD,LRI ,D-BED ,CBL,D IS	VV-Viva,S P,CBA,CO M,S-LAQ	F&S	I	-	NLHP15.4

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 15.1	Ashtartava dusti	(1hr) Teacher will provide case scenarios pertaining to various artava dushti and students will analyse the characteristics of Artava and identify the respective dosha involvement with recitation of shlokas.
NLHT 15.2	<i>Artava kshaya, Anartava , Asrugdara & Artava vruddhi</i>	(1hr) Students will be divided into groups to present cases of <i>Artava kshaya, Anartava , Asrugdara & Artava vruddhi</i> Teacher will assess and give remark.

Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 15.1	Artava kshaya - Oligomenorrhoea & Hypomenorrhoea	(1 hr) Students will document the case in prescribed journal proforma and 1. Evaluate in relation to Age, Weight, H-P-O axis dysregulation, Endocrine Disorders, Androgen producing tumours, Tubercular endometritis and drugs 2. Plan management Teacher will assess and provide feedback.
NLHP 15.2	Anartava - Amenorrhoea evaluation and management	(1hr) Student will document the case in prescribed journal proforma and note the clinical type with 1. Evaluation- i) Clinical examination ii) In depth investigations 2. Plan of management; Shodhana / Shamana Teacher will assess and guide in planning the management based on the type of Amenorrhoea.
NLHP 15.3	Poly Cystic Ovarian Syndrome (PCOS)	(1 hr) Teacher will enable students to determine signs, symptoms, results of investigations and plan management of Poly Cystic Ovarian Syndrome based on case scenario / clinical case 1. Analyse main concerns – Menstrual abnormalities, Symptoms of hyperandrogenemia , subfertility, weight gain 2. Analyse diagnostic criteria -Biochemical abnormalities (Hyperandrogenemia,

		<p>hyperinsulinemia, hyperlipidaemia, hyper prolactaenemia , low FSH , hyper secretion of LH)</p> <p>3. Plan management -Conservative(sansodhana & sansamana)/ Surgery</p> <p>Students will comprehend and evaluate Poly Cystic Ovarian Syndrome.</p>
NLHP 15.4	Management of <i>Asrugdara</i> and <i>Artava Vruddhi</i> - Structural and Non-structural / Systemic causes	<p>(1hr)</p> <p>Students will document the case in the prescribed journal proforma under the guidance of teacher with</p> <p>1.Evaluation and classification</p> <p>i) Structural causes (PALM) -Polyp, Adenomyosis, Leiomyoma & Malignancy</p> <p>ii) Non-structural systemic causes(COEIN) -Coagulopathy, Ovulatory dysfunction, Endometrial, Iatrogenic and Not yet identified</p> <p>2.Plan of management</p> <p>Teacher will assess and give remarks.</p>

Topic 16 Rajonivritti - Menopause (LH :2 NLHT: 1 NLHP: 2)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO2	Define <i>Rajonivrutti</i> – Menopause and explain the symptoms with changes in organs	CK	MK	K	LS,L&P PT	VV-Viva,C R-RED,S- LAQ	F&S	I	-	LH
CO2	Understand Endocrinology of Menopause and management options with emphasis on role of <i>Rasayana Chikitsa</i>	CK	MK	K	CD,L& PPT	VV-Viva,S- LAQ	F&S	I	-	LH
CO2, CO6	Discuss Hormone Replacement Therapy (HRT)	CK	NK	K	L&PPT ,DA,DI S,CBL	INT,VV-Vi va,CR-RED ,PRN,CL- PR	F&S	I	-	NLHT16.1

CO2	Diagnose Menopause	CAN	MK	KH	CD,CB L,D-BE D,LRI,S IM	P-PRF,P-C ASE,CBA, VV-Viva	F&S	I	-	NLHP16.1
CO2	Plan management of Menopause	CS	MK	KH	DA,CB L,CD,D IS	P-CASE,R K,SP,CBA, S-LAQ	F&S	I	-	NLHP16.2

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 16.1	Hormone Replacement Therapy (HRT)	(1hr) Students will present Indications, Contraindications, Risk factors and complications of Hormone Replacement Therapy in Menopause. Review of research paper / publications Teacher will assess the presentations and discuss the alternate therapies .

Non Lecture Hour Practical

S.No	Name of Practical	Description of Practical Activity
NLHP 16.1	Menopause	(1hr) Students will document following in the prescribed journal proforma under the guidance of teacher - 1. History taking with special reference to Age, Period of Amenorrhoea and Symptoms such as hot flash and night sweats 2. Physical examination 3. Hormonal Assay Teacher will assess and give remarks.

NLHP 16.2	Plan management of Menopause	(1hr) Teacher will present a case scenario and students will learn and present plan of management with following components - <ol style="list-style-type: none"> 1. Counselling 2. Advice on Diet, Life style and Meditation 3. Rasayana and Phytoestrogens 4. Symptomatic management
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Topic 17 Yoni Vyapad - Disorders of Female Reproductive system (LH :13 NLHT: 3 NLHP: 10)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO2	Enlist <i>Yonivyapad</i> - Sankhya, Doshanusara bheda, Samanya Nidana, Upadrava and Sadhya-Asadhyata	CC	MK	K	CBL,RE C,L&PP T	VV-Viva,S- LAQ,P- REC	F&S	II	-	LH
CO2	Explain <i>Nidana, samprapti, Lakshana and Chikitsa of Udavarta, Vandhya, Vipluta, Paripluta Vatala Yonivyapad.</i>	CC	MK	K	CBL,L &PPT ,REC	P-REC,VV- Viva,S- LAQ	F&S	II	-	LH
CO2	Explain <i>Nidana, samprapti, Lakshana and Chikitsa of Rudhirakshara, Vamini, Sramsini, Putraghni, Pittala Yonivyapad.</i>	CC	MK	K	CBL,RE C,L&PP T	P-REC,S-L AQ,VV- Viva	F&S	II	-	LH
CO2	Explain <i>Nidana, Samprapti, Lakshana and Chikitsa of Atyananda, Karnini, Acharana, Aticharana, Shleshmala</i>	CC	MK	K	REC,C D,L&PP T	VV-Viva,S- LAQ,P- REC	F&S	II	-	LH
CO2	Explain <i>Nidana, Samprapti, Lakshana and Chikitsa of Shandi, Phalini, Mahati, Suchivaktra, Sarvaja</i>	CC	MK	K	REC,C D,L&PP T,CBL	P-REC,VV- Viva,S- LAQ	F&S	II	-	LH

CO2	Explain <i>Nidana, samprapti, Lakshana and Chikitsa of Antarmukhi, Shuska, Arajaska, Lohita kshaya, Upapluta, Prakcharana Yonivyapad.</i>	CC	MK	K	L&PPT ,REC	VV-Viva,S- LAQ,P- REC	F&S	II	-	LH
CO2	Explain <i>Samanya Chikitsa Siddhanta of Yonivyapad and Pathya-Apathya.</i>	CC	MK	K	REC,C BL,CD, L&PPT ,PL	VV-Viva,P A,CBA,S- LAQ	F&S	II	-	LH
CO2	Diagnose and plan management of <i>Udavarta (Kastartava) / Vatala/ Vipluta /Paripluta Yonivyapad.</i>	CS	MK	KH	SIM,CD ,DA,PB L,LRI	VV-Viva,C BA,P-REC, RK,SBA	F&S	II	-	NLHP17.1
CO2, CO6	Diagnose and plan management of <i>Pittala/ Rudhirakshara/ Karnini/ Acharana/ Aticharana Yonivyapad.</i>	CS	MK	KH	DA,CD, CBL,D- BED,L RI	SP,P-CASE ,PM,P- VIVA,CBA	F&S	II	-	NLHP17.2
CO2	Memorize and recite <i>Shlokas of Yonivyapad.</i>	CK	MK	K	REC	VV-Viva,P- REC	F&S	II	-	NLHT17.1
CO2	Define Dysmenorrhoea. Explain types – Primary & Secondary, aetiology, clinical signs and symptoms, investigations with treatment.	CC	MK	K	CBL,C D,L&PP T,D-BE D,DA	CBA,SP,S- LAQ,VV- Viva,PM	F&S	II	-	LH
CO2, CO6	Diagnose Dysmenorrhoea and plan management	CS	MK	SH	PBL,LR I,CD,D A,D- BED	P-CASE,V V-Viva,CB A,SBA	F&S	II	-	NLHP17.3
CO2	Define Endometriosis and Adenomyosis . Explain causes, clinical symptoms, investigations and treatment	CC	MK	K	L&PPT ,DA,LR I,CD,C	CBA,VV-V iva,S-LAQ	F&S	II	-	LH

					BL					
CO2, CO6	Diagnose and plan management of Endometriosis and Adenomyosis.	CS	MK	SH	LRI,PB L,CBL, D-BED, DA	VV-Viva,C BA,PM,P- CASE,SP	F&S	II	-	NLHP17.4
CO2	Define Pelvic Inflammatory Disease (PID). Explain aetiology, Types, clinical diagnostic criteria, Investigations, complications and management.	CC	MK	K	CD,LRI ,DIS,L &PPT	S-LAQ,VV- Viva	F&S	II	-	LH
CO2, CO6	Diagnose and plan management of Pelvic Inflammatory Disease (PID)	CS	MK	SH	CD,D-B ED,CB L,LRI,D A	SP,SBA,V V-Viva,CB A,P-CASE	F&S	II	-	NLHP17.5
CO2	Explain Role of <i>Panchakarma</i> in <i>Yoni Vyapad</i>	CAP	MK	K	DIS,CB L,PER, CD,LRI	VV-Viva,C R-RED,PR N,S-LAQ	F&S	II	-	NLHT17.2
CO2, CO6	Present case studies on <i>Yonivyapad</i>	AFT- RES	MK	SH	PER,D- BED,C D,CBL	P-PRF,CR- RED,VV-V iva,CL- PR,CBA	F&S	II	-	NLHP17.6
CO2	Explain Cervical erosion and Ectropion – Aetiology, Clinical features, Investigations and Management	CC	MK	K	L&PPT ,CD,CB L,D	VV-Viva,S- LAQ,CBA	F&S	II	-	LH
CO2, CO6	Diagnose and Plan management of Cervical erosion.	CS	MK	SH	PBL,CD ,D-BED ,CBL,L RI	SP,DOAP, VV-Viva,C BA,P- CASE	F&S	II	-	NLHP17.7
CO2,	Diagnose and plan management of <i>Yoni Kandū</i> - Pruritus Vulvae.	CS	MK	SH	D-BED,	VV-Viva,P	F&S	II	-	NLHP17.8

CO6					CBL,C D,L&PP T	M,P-CASE				
CO2, CO6	Define Pelvic organ prolapse (POP) and explain entities with conservative and surgical treatment options -1.Vaginal Prolapse -Cystocele,Cystourethrocele, Rectocele, Enterocoele 2.Uterovaginal prolapse -Uterine prolapse ,	CC	MK	K	CD,L& PPT	S-LAQ,VV- Viva	F&S	II	-	LH
CO2, CO6	Diagnose and plan management of Vaginal prolapse – Cystocele & Rectocele.	CS	MK	KH	D-BED, D-M,C BL,PBL ,CD	VV-Viva,S- LAQ,P-VI VA,CBA,P- CASE	F&S	II	-	NLHP17.9
CO2, CO6	Diagnose and plan management of Uterovaginal prolapse.	CS	MK	KH	CBL,D, CD,DA, PBL	S-LAQ,P-C ASE,CBA, SP,P-VIVA	F&S	II	-	NLHP17.10
CO2	Explain the causes and management of -1. Dyspareunia2. Vaginismus3. Presacral neuralgia4.Constitutional nymphomania 5. Effluvium seminis	CC	MK	KH	CD,L& PPT ,CBL	VV-Viva,S- LAQ	F&S	II	-	LH
CO2, CO6	Present case studies on different <i>Yonivyapad</i> .	AFT- RES	MK	KH	DA,RP, DIS,LRI ,PER	VV-Viva,P- EXAM,CL- PR,S-LAQ, P-VIVA	F&S	II	-	NLHT17.3

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 17.1	<i>Shlokas of Yonivyapad</i>	(1 hr) Students will recite <i>Shlokas</i> of <i>Yonivyapad</i> from <i>Brihatrayi</i> .

NLHT 17.2	<i>Panchakarma in Yonivyapad</i>	(1 hr) Teacher will divide students into groups and allot topics on <i>Shodhana Chikitsa</i> in <i>Yonivyapad</i> . Students will review research publications / clinical cases and present in class. Teacher will assess and discuss importance of <i>Panchakarma</i> in <i>Yonivyapad</i> .
NLHT 17.3	Case studies on different <i>Yonivyapad</i>	(1hr) Students will be divided into smaller groups, each group will be given a case scenario to present . Teacher will analyse and give remarks.
Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 17.1	<i>Udavarta (Kastartava) / Vatala/ Vipluta /Paripluta yonivyapad.</i>	(1hr) Teacher will provide case scenarios with clinical features of <i>Udavarta, Vatala, Vipluta</i> and <i>Paripluta Yonivyapad</i> . Students will diagnose by- <ol style="list-style-type: none"> 1. Analysis of <i>lakshana</i> 2. Discussion on <i>samprapti vighatana</i> based on <i>dosha</i> involved. 3. Examination and investigations. Student will discuss management plan with <i>Shodhana, Shamana</i> and <i>Sthanik Chikitsa</i> and document in prescribed journal proforma. Teacher will assess and provide feedback.

NLHP 17.2	<i>Pittala/ Rudhirakshara/ Karnini/ Acharana/ Aticharana yonivyapad</i>	<p>(1hr) Teacher will provide case scenarios with clinical features of <i>Pittala/ Rudhirakshara/ Karnini/ Acharana/ Aticharana yonivyapad</i>. Students will diagnose by-</p> <ol style="list-style-type: none"> 1. Analysis of <i>lakshana</i> 2. Discussion on <i>samprapti vighatana</i> based on <i>dosha</i> involved. 3. Examination and investigations. <p>Student will discuss management plan with <i>Shodhana, Shamana</i> and <i>Sthanik Chikitsa</i> and document in prescribed journal proforma. Teacher will assess and provide feedback.</p>
NLHP 17.3	Dysmenorrhoea	<p>(1hr) Student will document case in prescribed journal proforma.</p> <ol style="list-style-type: none"> 1. History taking to elicit Primary / Secondary dysmenorrhea <p>Menstrual history - Age of Menarche & relation of the onset Dysmenorrhoea with menarche. Obstetric history : Association of Dysmenorrhoea with previous delivery History of Intra Uterine Contraceptive Device use, Oral Contraceptive Pills ,Depot Medroxyprogesterone acetate (DMPA), Progestin Intrauterine System</p> <ol style="list-style-type: none"> 2. General physical examination

		<p>3. Abdominal examination</p> <p>4. Pelvic examination</p> <p>5. Investigations</p> <p>6. Plan management -Primary / Secondary</p> <p>Teacher will assess and provide feedback.</p>
NLHP 17.4	Endometriosis and Adenomyosis.	<p>(1 hr)</p> <p>Student will document the case in prescribed journal proforma.</p> <p>1. History taking : Chief complaints with reference to severe cyclical pain in lower abdomen mostly during menstruation - Dysmenorrhoea, Dyspareunia and Dyschezia</p> <p>2. Gynaecological examination -</p> <p>i) Abdominal examination</p> <p>ii) Vaginal examination : Bimanual examination :</p> <p>Uterus-size</p> <p>Rectovaginal mobility</p> <p>Tenderness</p> <p>Fornices</p> <p>Adnexae</p> <p>Palpation of Pouch of Douglas</p>

		<p>Rectovaginal septum</p> <p>iii) Rectal examination</p> <p>4. Investigations :</p> <p>5. Differential diagnosis</p> <p>6. Plan management of Endometriosis /Adenomyosis</p> <p>Teacher will discuss cases with clinical outcome.</p>
NLHP 17.5	Pelvic Inflammatory Disease (PID)	<p>(1 hr)</p> <p>Student will document case in prescribed journal proforma.</p> <p>1. History taking – Analysis of symptoms - Pain abdomen, Vaginal discharge, Menstrual disturbance (menorrhagia)</p> <p>2. General examination : Acute / Chronic</p> <p>Record vitals – Temperature, Pulse, Respiratory rate</p> <p>Per abdomen : Elicitation of tenderness in lower abdomen</p> <p>Per vaginal : Offensive vaginal discharge, tenderness on movement of cervix , fornices tenderness and fullness of posterior fornix</p> <p>3. Differential diagnosis</p> <p>4. Investigations</p> <p>Teacher will assess and discuss management plan.</p>

NLHP 17.6	Case presentation on <i>Yonivyapad</i>	<p>(1hr)</p> <p>Teacher will divide students into groups and allot topics of Yonivyapad to each group. Student will review clinical case studies / systematic review of research publications of Yonivyapad allotted to them and present in class. Teacher will discuss and assess the presentations on clinical cases and provide feedback.</p>
NLHP 17.7	Cervical erosion	<p>(1 hr)</p> <p>Student will document case in prescribed journal proforma.</p> <ol style="list-style-type: none"> 1. History taking – Analysis of symptoms 2. General examination <p>Per abdomen : Per speculum : Vagina, Cervix - lesion/ breach in portion to be documented, white discharge, any spotting / bleeding Per vaginal – Uterus / Fornices</p> <ol style="list-style-type: none"> 3. Investigations : 4. Plan management <p>Teacher will discuss management options and provide feedback on cases.</p>

NLHP 17.8	<i>Yoni kandu</i> - Pruritus Vulvae	<p>(1hr)</p> <p>Teacher will discuss a case scenario / clinical case of Yoni Kandu -Pruritus Vulvae</p> <ol style="list-style-type: none"> 1.History taking and examination 2. Analyse aetiology –Vaginal discharge, local skin lesions, infections, allergy, systemic diseases 3.Plan management -i) Local hygiene ii) Drug application - local and/or systemic <p>Students will discuss and document in the prescribed journal proforma.</p>
NLHP 17.9	Cystocele & Rectocele	<p>(1hr)</p> <p>Teacher will explain and demonstrate Cystocele & Rectocele on manikin / clinical case with discussion on following -</p> <ol style="list-style-type: none"> 1. History taking – i) Predisposing (acquired /congenital) ii) Aggravating (postmenopausal atrophy, chronic cough, constipation, obesity, multiparity, weight lifting, under nutrition, smoking) 2 Examination : <ol style="list-style-type: none"> i. General – Body Mass Index , Signs of myopathy or neuropathy, features of chronic airway disease, abdominal mass ii. Composite examination- Inspection and Palpation : Vaginal, Rectal and Recto vagina. <ol style="list-style-type: none"> 1. Diagnosis - Cystocele / Urethrocele / Rectocele / Enterocoele/ Vault prolapse 2. Plan of management <p>Students will observe and document in the prescribed journal proforma</p>

NLHP 17.10	Uterovaginal prolapse	<p>(1hr)</p> <p>Teacher will explain and demonstrate Uterovaginal prolapse on manikin / clinical case with discussion on -</p> <ol style="list-style-type: none"> History taking – i) Predisposing (acquired /congenital) ii) Aggravating (postmenopausal atrophy, chronic cough, constipation, obesity, multiparity, weight lifting, under nutrition, smoking) Examination : i) General – Body Mass Index , Signs of myopathy or neuropathy , features of chronic airway disease , abdominal mass ii) Composite examination- Inspection and Palpation : Vaginal , Rectal and Recto vagina Diagnosis : Uterine prolapse / Uterovaginal prolapse Assigning degrees of Uterine prolapse - First/Second/Third/Procidentia Plan of management – conservative / surgical <p>Students will observe, discuss and record in the prescribed journal proforma.</p>
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Topic 18 Vandhyatwa - Infertility (LH :4 NLHT: 3 NLHP: 8)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO2	Elaborate the concept of <i>Vandhyatwa</i> , <i>Bheda</i> and various <i>Nidana</i> - <i>Aharaja</i> , <i>Viharaja</i> , <i>Yoni Vyapadjanya</i> , <i>Shukra Doshaja</i> , <i>Artava Doshaja</i> , <i>Akalyoga</i> and <i>Atmadoshajanya</i> .	CC	MK	K	L&PPT	P-VIVA,V V-Viva,S-L AQ,P- EXAM	F&S	II	-	LH
CO2	Describe <i>Vandhyatwa Chikitsa</i> and <i>Pathya-Apathya</i> .	CC	MK	K	L&PPT ,DIS	P-VIVA,V V-Viva,S- LAQ	F&S	II	-	LH
CO2, CO3	Discuss Role of <i>Panchakarma</i> in <i>Vandhyatwa</i> .	CC	MK	K	CD,TB L,PER, FC,L& GD	CBA,P-VI VA,PM,P-E XAM,VV- Viva	F&S	II	H-PK	NLHT18.1

CO2	Define Infertility and elaborate Female factors of Infertility, Investigations and guidelines of management.	CC	MK	K	L&PPT	VV-Viva,S-LAQ	F&S	II	-	LH
CO2, CO6	Perform Evaluation of Female partner in Infertility.	CAP	MK	KH	DIS,CD ,PBL,P T,CBL	P-VIVA,SP ,S-LAQ,VV -Viva,P-CASE	F&S	II	-	NLHP18.1
CO2	Describe Male factors of Infertility with Investigations and guidelines of management.	CC	MK	K	L&PPT	VV-Viva,S-LAQ,COM	F&S	II	-	LH
CO2, CO6	Perform evaluation of Male partner in Infertility.	CAP	MK	SH	DIS,CB L,LRI,C D,D-BED	P-CASE,S BA,CR-RE D,SP,INT	F&S	II	-	NLHP18.2
CO2	Discuss <i>Shukra Dushti</i> and semen abnormalities.	CC	MK	K	DL,CD, LRI,CB L,PER	CL-PR,VV-Viva	F&S	II	-	NLHT18.2
CO2	Demonstrate Semen Analysis and Interpretation of parameters.	CAP	MK	KH	LRI,PT, DL,CD, CBL	P-EXAM,V V-Viva,P-VIVA,CBA	F	II	-	NLHP18.3
CO2	Demonstrate and interpret Ultrasound / Follicular study.	CAP	MK	KH	LRI,L& PPT ,CBL,C D	VV-Viva,P-VIVA	F	II	-	NLHP18.4
CO2	Evaluate Tubal Patency by Hystero Salpingography (HSG).	CE	DK	KH	X-Ray, D,L_VC ,CD,CB L	CBA,S-LAQ,P-ID,VV-Viva	F&S	II	-	NLHP18.5

CO2	Demonstrate cervical mucous study / test -Fern testSpinbarkket	PSY-GUD	MK	KH	LRI,D,P T	INT,P-CASE	F	II	-	NLHP18.6
CO2	Describe Assisted Reproductive Techniques (ART) and ART act.	CK	NK	K	L_VC,L &PPT , CBL,DI S	COM	F	II	-	NLHT18.3
CO2	Gain insight of Intra Uterine Insemination (IUI).	CK	DK	K	D,L_VC	VV-Viva,P P-Practical	F	II	-	NLHP18.7
CO2	Present case of Infertility.	AFT-RES	MK	SH	PBL,X-Ray,D-BED,PE R,CBL	CL-PR,VV-Viva,P-CA SE,SBA,PR N	F&S	II	-	NLHP18.8

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 18.1	Role of <i>Panchakarma in Vandhyatwa</i>	(1hr) Students will have Class presentation / Class seminar / Group discussion / Project work/ Flipped class room on <i>Panchakarma</i> treatment options in <i>Vandhyatwa</i> . Teacher will assess and provide feedback.
NLHT 18.2	Shukra Dushti and semen abnormalities	(1hr) Teacher will discuss identification of <i>Shukra Dusti</i> and various abnormalities of Semen Student will analyze various nomenclature related to abnormalities of Semen viz, Aspermia, Hypospermia, Oligozoospermia, Polyzoospermia, Azoospermia , Asthenozoospermia, Leucocytospermia, Necrozoospermia Teratozoospermia and

		Oligoasthenoteratozoospermia.
NLHT 18.3	Assisted Reproductive Techniques (ART)	(1hr) Teacher will help students familiarize with various Assisted Reproductive Techniques (ART) with help of Video demonstration and discuss about ART act.
Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 18.1	Female partner evaluation in Infertility	(1hr) Teacher will guide the students for - History taking : Specify & discuss with reference to Age,Duration and type of Infertility, Contraceptive history, Sexual history, Menstrual history, Previous treatment history, Obstetric history, Gynaecological history, History of past illness, Personal and Family history General Physical, Systemic and Local examination Investigations Teacher will assess the findings,counsel and plan the management.
NLHP 18.2	Male partner evaluation in Infertility	(1hr) Teacher will guide the students for - 1. History taking; Specify & discuss with reference to Age, Occupation, Habits, Duration, Environmental exposure, Sexual history, Past illness 2. General Physical, systemic and local examination 3. Investigations Teacher will assess,counsel and plan management.
NLHP 18.3	Semen Analysis.	(1hr) Teacher will discuss time and method of collection, Interpretation of report and plan the management

		Students will comprehend and discuss.
NLHP 18.4	Interpret Ultrasound / Follicular study	(1hr) Teacher will discuss - 1. Pelvic Ultrasound – Assessment of Uterine cavity / Size / Endometrial Thickness, free fluid in pouch of douglas 2. Follicular study – Interpret the follicular size / Ovulation 3. Counsel and Plan management Student will comprehend and discuss.
NLHP 18.5	Hysterosalpingography (HSG)	(1hr) Teacher will demonstrate Hysterosalpingography and discuss about the consent, time of procedure, method, precautions and possible complications with the help of Video /X-ray film. Students will comprehend, understand and document.
NLHP 18.6	Cervical mucous tests	(1hr) Teacher will demonstrate Fern test and Spinbarkette 1. Procedure of collecting cervical mucous under aseptic precautions 2. Observation and interpretation Students will observe , assess and document
NLHP 18.7	Intra Uterine Insemination (IUI)	(1hr) Teacher will demonstrate Intra uterine Insemination (IUI) with Video /Clinical case. Students will observe and analyze.

NLHP 18.8	Practical case presentation on Infertility	(1hr) Student will present case of Infertility focusing on - History taking Examination – Male / Female Investigations Interpretation / Identify the cause Plan management - <i>Shodhana / Shamana / Sthanika upakrama/ Integrative</i> Teacher will evaluate and give remarks
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Topic 19 Vyadhi Vinischaya Upaya - Diagnostic Tools and Techniques (LH :1 NLHT: 1 NLHP: 2)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO2	Discuss various diagnostic procedures in Gynaecology viz PAP smear, Colposcopy, Cervical biopsy, Endometrial biopsy, Ultrasound, Hysteroscopy, Laparoscopy, Magnetic resonance imaging, Computed Tomography.	CC	DK	K	X-Ray, CBL,L &PPT	CBA,INT	F&S	II	-	LH
CO2	Interpret Ultrasound, Hysteroscopy, Laparoscopy, Magnetic resonance imaging, Computed Tomography in Gynaecology.	CC	DK	K	LRI,CD ,X-Ray, CBL,L &PPT	INT,SBA,V V-Viva,CO M,CBA	F	II	-	NLHT19.1
CO2	Perform PAP test, Visual inspection examination and Colposcopy.	CAP	DK	KH	CD,CB L,D-M, L_VC,D	INT	F	II	-	NLHP19.1
CO2, CO6	Observe the procedure for Cervical biopsy and Endometrial biopsy	CC	DK	K	CBL,D-M,L_V C	INT	F	II	-	NLHP19.2

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 19.1	Diagnostic tools	(1hr) Teacher will assist students in comprehending and interpreting Ultrasound, Hysteroscopy, Laparoscopy, Magnetic resonance imaging, Computed Tomography reports in Gynaecology.
Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 19.1	PAP test, Visual inspection and Colposcopy	(1hr) Teacher will demonstrate the procedures of PAP test, Visual inspection methods and Colposcopy on model / manikin / clinical case/video. Students will perform and analyze the steps - 1 . Prerequisites and Procedure : Educate about the time of test Consent Collection of required material for respective test i) PAP test - Gloves , Instruments ,Spatula , Slides ii) Visual Inspection : Visual Inspection with Acetic acid (VIA) and Visual inspection with Lugol's Iodine (VILI) iii) Colposcopic visualization 2. Procedure 3. Interpret findings.
NLHP 19.2	Cervical biopsy and Endometrial biopsy	(1hr) Teacher will demonstrate the procedures of collecting Cervical and Endometrial Biopsy on model / manikin / clinical case / video. Students will discuss-

		1.Prerequisites : Consent, premedication, sterilized instruments 2.Procedure of collection and preservation 3.Interpretation of results 4.Conselling and referral for further management								
Topic 20 Sthanika Upakrama - In situ Treatment Modalities (LH :1 NLHT: 2 NLHP: 7)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO3	Discuss the role of <i>Sthanika Upakrama</i> in <i>Streeroga - Yoni dhavana ,Yoni prakshalana , Pichu dharana, Yoni varti, Yoni lepana, Yoni avachurnana, Yoni purana, Yoni dhoopana, Kshara karma, Agni karma and Uttarabasti.</i>	CC	MK	K	L&PPT ,L_VC	RK,S-LAQ, COM,VV-Viva,P-VIVA	F&S	II	-	LH
CO3	Discuss <i>Purvakarma, Pradhana Karma</i> and <i>Paschat Karma</i> of - <i>Kshara Karma</i> and <i>Agni Karma</i> with indications, contraindications, precautions and time of procedure.	CC	MK	K	L_VC,L &PPT ,CD,CB L	C-VC,VV-Viva,SP,CB A	F&S	II	-	NLHT20.1
CO3, CO6	Discuss <i>Purvakarma, Pradhana Karma</i> and <i>Paschat Karma</i> of <i>Uttarabasti</i> with indications, contraindications, precautions and time of procedure.	CC	MK	K	D-M,L &PPT	P-VIVA,V V-Viva,COM	F&S	II	-	NLHT20.2
CO3, CO6	Perform <i>Yonidhavana and Yoniprakshalana</i>	PSY-GUD	MK	SH	CBL,D-M,D	DOPS,OSCE,DOPS,V V-Viva,P-VIVA	F&S	II	-	NLHP20.1
CO2	Perform <i>Yoni - Pichu dharana</i>	PSY-GUD	MK	SH	D,PT	DOAP,DO PS,DOPS,P	F&S	II	-	NLHP20.2

						-PRF,VV-Viva				
CO2	Perform <i>Yoni-varti</i> insertion.	PSY-GUD	MK	SH	PT,RLE	DOPS,VV-Viva,DOPS,OSCE,P-PRF	F&S	II	-	NLHP20.3
CO2	Perform <i>Yoni lepana</i> .	PSY-GUD	MK	SH	RLE,PT,D	P-PRF,VV-Viva,OSCE,DOAP	F&S	II	-	NLHP20.4
CO2	Perform <i>Yoni- avachoorana</i> .	PSY-GUD	MK	SH	D,PT	DOPS,OSCE,DOPS,DOAP,P-PRF	F&S	II	-	NLHP20.5
CO2	Perform <i>Yonipurana</i>	PSY-GUD	MK	SH	RLE,D,PT	DOAP,DOPS,P-PRF,VV-Viva	F&S	II	-	NLHP20.6
CO2	Perform <i>Yoni dhoopana</i> .	PSY-GUD	MK	SH	PT,RLE,D	P-PRF,OSCE,DOPS,VV-Viva,DOPS	F&S	II	-	NLHP20.7

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 20.1	<i>Kshara karma and Agni karma</i>	(1hr) Teacher will discuss <i>Purvakarma, Pradhana karma</i> and <i>Paschat karma</i> of - <i>Kshara karma</i> and <i>Agni karma</i> with indications, contraindications, precautions and time of procedure. Students will comprehend.

NLHT 20.2	<i>Uttara Basti</i>	(1hr) Teacher will discuss <i>Purvakarma, Pradhana Karma</i> and <i>Paschat karma</i> of <i>Uttarabasti</i> with indications, contraindications, precautions and time of procedure. Students will comprehend.
Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 20.1	<i>Yonidhavana and Yoniprakshalana</i>	(1 hr) Teacher will debrief the Indications, contraindications, time of procedure and ensure prerequisites - Consent, preparation of Kashaya / Kwatha (decoction) as per Standard Operating Procedure (SOP), Sterilized instruments, gloves, linen, Syringe, Douche can, procedure Student will perform <i>Yonidhavana and Yoniprakshalana</i> and discuss special precautions Complete documentation of the procedure in prescribed journal.
NLHP 20.2	<i>Yoni-Pichu dharana</i>	(1hr) Teacher will debrief the Indications and contraindications,time of procedure and ensure prerequisites :Consent, medication -Taila (oil) / Ghrita (ghee) / Kwatha (decoction) / other proposed drug form,as per Standard Operating Procedure,Sterilized instruments,linen,Sterile Pichu (Tampoon) Students will perform the procedure and discuss special precautions Complete documentation of the procedure in the prescribed journal proforma
NLHP 20.3	<i>Yoni-varti</i>	(1hr) Teacher will debrief the Indications,contraindications,time of procedure and ensure prerequisites : Consent,Sterilized instruments, linen,Varti / Suppository Students will perform the procedure of insertion of Yoni varti and discuss special precautions Complete documentation of the procedure in prescribed journal proforma.

NLHP 20.4	Yoni lepana	(1 hr) Teacher will debrief the indication,contraindications,time of procedure of Yoni lepana and ensure prerequisites : consent ,sterilized instruments, drug of application, linen. Students will perform the procedure of Yonilepana and discuss special precautions Complete documentation of the procedure in the prescribed journal proforma.
NLHP 20.5	<i>Yoni-avachoornana</i>	(1hr) Teacher will debrief the Indications, contraindications, time of procedure and ensure prerequisites :consent , sterilized instruments, linen, drug Students will perform the procedure <i>Yoni-Avachoornana</i> and discuss on special precautions Complete documentation of the procedure in the prescribed journal proforma.
NLHP 20.6	<i>Yonipurana</i>	(1hr) Teacher will debrief the indications,contraindications, time of procedure and ensure prerequisites : consent, sterilized instruments, linen,oil /decoction Students will perform the procedure Yonipurana and discuss special precautions Complete documentation of the procedure in the prescribed journal proforma.
NLHP 20.7	<i>Yoni dhoopana</i>	(1hr) Teacher will debrief the Indications,contraindications,time of procedure and ensure prerequisites: consent, sterilized instruments,linen,dhoopana yantra,dhoopana drugs. Students will perform the procedure <i>Yoni dhoopana</i> and discuss special precautions. Complete documentation of the procedure in the prescribed journal proforma.

Topic 21 Stree Janananga Granthi Evam Arbuda - Benign & Malignant lesions of Female Reproductive System (LH :4 NLHT: 2 NLHP: 4)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO2,	Elaborate <i>Nidana, Samprapti, Bheda, Lakshana and</i>	CC	MK	K	L&PPT	S-LAQ,VV-	F&S	III	-	LH

CO3	<i>Chikitsa of Yonyarsha and Yonikanda.</i>					Viva				
CO2, CO3	Explain the pathologies, clinical features, investigations and treatment of Bartholinitis, Bartholin's abscess and Bartholin's cyst	CAP	MK	K	L&PPT	S-LAQ,VV-Viva	F&S	III	-	LH
CO2, CO3	Diagnose and manage Bartholin abscess / Cyst.	CAN	MK	KH	D-M,C BL,D	S-LAQ,CO M,SBA,RK ,VV-Viva	F&S	III	-	NLHP21.1
CO2, CO3	Explain the pathology, clinical features, investigations and treatment of Polyp – Cervical and Endometrial (Fibroid polyp)	CC	MK	K	L&PPT	VV-Viva,S- LAQ	F&S	III	-	LH
CO2, CO3	Diagnose and manage Uterine Polyp	CAN	MK	KH	PBL,D- M,CD,C BL,D	COM,INT, CBA,VV- Viva,SBA	F&S	III	-	NLHP21.2
CO2, CO3	Explain Fibroid Uterus -Types, Clinical features, Investigations and Management	CC	MK	K	DIS,L& PPT	COM,S-LA Q,VV-Viva	F&S	III	-	LH
CO2, CO3	Diagnose and manage Fibroid Uterus.	CAN	MK	KH	D-BED, CBL,D- M,PBL, CD	P-PS,P-PR F,VV-Viva, P-VIVA,P- CASE	F&S	III	-	NLHP21.3
CO2, CO3, CO6	Elaborate Benign conditions of Ovary – Ovarian tumour and Tubo-ovarian mass	CC	MK	K	L&PPT ,D,CBL, PBL,CD	S-LAQ,CO M,VV- Viva,SBA	F&S	III	-	NLHT21.1
CO2, CO3	Diagnose and plan management of Tubo-ovarian mass	CS	MK	KH	CD,D,C BL,D- M,LRI	S-LAQ,SB A,CBA,QZ ,INT	F	III	-	NLHP21.4
CO2, CO3	Identify Premalignant and Malignant lesions of Female reproductive organs.Analyze Vaccination in cervical cancer.	CC	DK	K	CD,CB L,L&PP	SBA,COM, CBA,INT,	F	III	-	NLHT21.2

					T ,X-Ray,LRI	VV-Viva				
Non Lecture Hour Theory										
S.No	Name of Activity	Description of Theory Activity								
NLHT 21.1	Benign conditions of Ovary and Fallopian tube	(1 hr) Teacher will elaborate and demonstarte benign conditions of Adnexa (ovary and fallopian tube) Students will discuss differential diagnosis and investigation methods.								
NLHT 21.2	Premalignant and Malignant lesions	(1 hr) Teacher will elaborate clinical diagnosis of premalignant and malignant lesions of Female reproductive organs and discuss diagnostic aids. students will analyze complains, clinical examination and laboratory findings and importance of Vaccination in cervical cancer.								
Non Lecture Hour Practical										
S.No	Name of Practical	Description of Practical Activity								
NLHP 21.1	Diagnose and plan management of Bartholin Cyst /Abscess	(1 hr) Teacher will demonstrate following on case of Bartholin abscess or Cyst / model / with video - 1. Clinical examination of vulva with swelling and pain. 2. Surgical management of - a) Cyst – Excision / Marsupialization b) Abscess – Incision and Drainage Student will discuss differential diagnosis and observe Excision/Marsupialization/Incision and Drainage and document.								
NLHP 21.2	Uterine Polyp	(1 hr) Students will analyze signs and symptoms and discuss differential diagnosis with following steps -								

		<p>1. History taking - clinical presentations; Vaginal discharge, Pain in lower abdomen, Intermenstrual bleeding, Irregular bleeding</p> <p>2. General examination</p> <p>3. Pelvic examination : Per speculum : any mass Uterus : size</p> <p>4. Investigations :</p> <p>5. Differential diagnosis</p> <p>Teacher will demonstrate polypectomy on model/ video/ case</p>
NLHP 21.3	Fibroid Uterus.	<p>(1 hr)</p> <p>Students will discuss following steps and analyze diagnosis;</p> <p>1. History taking - clinical presentation; Heavy, Painful and Irregular menstruation, lump in abdomen, Pain in lower abdomen, pressure symptoms</p> <p>2. General examination</p> <p>3. Abdominal examination : with / without enlarged firm mass</p> <p>4. Pelvic examination : Uterus - size , additional mass</p> <p>5. Investigations</p> <p>6. Differential diagnosis</p> <p>Teacher will guide students to plan conservative management and demonstrate surgical management of fibroid uterus.</p>

NLHP 21.4	Ovarian tumour / Tubo-ovarian mass	(1 hr) Teacher will demonstrate a diagnosed case of Tubo-ovarian mass and surgical management with help of video/ case. Students will analyze method of diagnosis and appropriate treatment option with following steps - 1. History taking - clinical presentation; Pain in lower abdomen and heaviness / associated symptoms 2. General examination 3. Abdominal examination : Abdominal mass 4. Pelvic examination : Tuboovarian mass 5. Investigations : 6. Differential diagnosis : 7. Complications : 8. Plan treatment : Young patient vs Parous woman
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Topic 22 Guhya Roga - Sexually Transmitted Diseases (LH :2 NLHT: 1 NLHP: 0)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO2, CO3	Describe <i>Hetu, Samprapti, Lakshana, Upadrava</i> , and <i>Chikitsa</i> of <i>Upadamsha, Firanga</i> , and <i>Puyameha</i>	CC	MK	KH	L&PPT	COM,S-LA Q,VV-Viva	F	III	-	LH
CO2, CO3	Describe Sexually Transmitted Diseases with causative micro-organisms, pathology, clinical features, investigations and management.	CC	MK	KH	L&PPT	VV-Viva,S-LAQ	F&S	III	-	LH
CO2, CO3, CO6	Diagnose and plan management of <i>Guhya Roga</i> (Sexually Transmitted Diseases)	CS	MK	KH	L&GD, CD,LRI	CBA,QZ ,V V-Viva,SBA	F&S	III	-	NLHT22.1

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 22.1	<i>Guhya roga</i> (Sexually Transmitted Diseases)	(1 hr)

		Teachers will elaborate clinical features, diagnosis and management of <i>Guhya roga</i> (STDs) Students will have Group discussion and analysis of preventive measures.									
Non Lecture Hour Practical											
S.No	Name of Practical		Description of Practical Activity								
Topic 23 Yoni srava - Vaginal Discharge (LH :1 NLHT: 1 NLHP: 2)											
A3	B3		C3	D3	E3	F3	G3	H3	I3	K3	L3
CO2, CO3	Describe <i>Hetu, Samprapti, Lakshana and Chikitsa of Shweta Pradara.</i>		CC	MK	KH	L&PPT	VV-Viva,S-LAQ	F&S	III	-	LH
CO2, CO3	Explain Infections of Pelvic organs ; i) Due to a specific infection ii) Due to sensitive reaction iii) Due to Vaginal discharge or urinary contamination		CC	MK	K	DIS,PE R,L&PP T ,D-BE D,CBL	P-PRF,CL-PR,SP,P-VIVA,PRN	F&S	III	-	NLHT23.1
CO2, CO3, CO6	Diagnose and manage Abnormal Vaginal Discharges / Leucorrhoea (Non-infective)		CAN	MK	SH	CBL,PB L,D,CD, DA	CBA,P-CA SE,OSCE, VV-Viva,DOA P	F&S	III	-	NLHP23.1
CO2, CO3, CO6	Diagnose and manage Abnormal Vaginal Discharges (Infective)		CAN	MK	SH	PT,DA, D-BED, CBL,C D	P-CASE,P-VIVA,VV-Viva,P-PRF,DOAP	F&S	III	-	NLHP23.2
Non Lecture Hour Theory											
S.No	Name of Activity		Description of Theory Activity								
NLHT 23.1	Infections of Pelvic organs		(1 hr)								

		<p>Students will be assigned with research project on Infections of Pelvic organs and have peer discussion on underlying etiology.</p> <p>Teacher will elaborate Infections of Pelvic organs -</p> <ul style="list-style-type: none"> i) Due to specific infection ii) Due to sensitive reaction iii) Due to Vaginal discharge or urinary contamination
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Non Lecture Hour Practical

S.No	Name of Practical	Description of Practical Activity
NLHP 23.1	Abnormal Vaginal Discharges / Leucorrhoea	<p>(1 hr)</p> <p>Teacher will diagnose and manage Abnormal Vaginal Discharge (Non-infective)</p> <p>Students will discuss importance of steps involved - History taking, General Physical Examination, Pelvic Examination, Investigation, Differential diagnosis and analyze management of Lucorrhoea.</p>
NLHP 23.2	Abnormal Vaginal Discharges (Infective)	<p>(1 hr)</p> <p>Teacher will diagnose and manage Abnormal Vaginal Discharge (Infective)</p> <p>Students will discuss importance of steps involved - History taking, General Physical Examination, Pelvic Examination, Investigation, Differential diagnosis and analyze management.</p>

Topic 24 Stana Roga - Breast Disorders (LH :3 NLHT: 1 NLHP: 3)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO1, CO2	Explain the Anatomy of Breast and Anatomical defects.	CAP	MK	K	L&PPT	S-LAQ,CO M,VV-Viva	F&S	III	-	LH
CO2, CO3		CC	MK	K	L&PPT	VV-Viva,S- LAQ	F&S	III	-	LH

	Elaborate Stana Roga - Stana Keelaka, Stana Granthi and Stanarbuda with Nidana, Samprapti, Lakshana and Chikitsa.									
CO2, CO3	Describe causative factors, etiopathogenesis, clinical features, investigations, complications and management of Mastalgia, Fibroadenoma, Carcinoma breast.	CC	DK	K	L&PPT	S-LAQ,VV-Viva	F&S	III	-	LH
CO2	Demonstrate Self Breast examination	PSY-SET	MK	KH	SIM,D-M,L_V C,CBL, D	P-PRF,VV-Viva,DOA P,OSCE,SP	F&S	III	-	NLHT24.1
CO2, CO3, CO6	Illustrate Investigations in diseases of Breast - 1. Sono-mammogram 2. Fine Needle Aspiration Cytology (FNAC)3. Biopsy	CAN	MK	KH	CBL,C D,LRI,L_V C,L &PPT	P-VIVA,P M,VV-Viva ,SP,P-EXAM	F&S	III	-	NLHP24.1
CO2, CO3, CO6	Diagnose and manage Fibroadenoma Breast	CAN	MK	KH	D-M,C BL,CD, X-Ray	VV-Viva,P-CASE,S-L AQ,CBA,S BA	F	III	-	NLHP24.2
CO2, CO3, CO6	Diagnose Breast carcinoma	CAN	MK	K	CBL,LR I,L&PP T ,CD	SBA,VV-Viva,CBA	F&S	III	-	NLHP24.3

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 24.1	Self Breast examination	(1hr) Teacher will demonstrate steps of self breast examination by Video / Pictorial demonstration. Students will discuss the importance of Self Breast examination.

Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 24.1	Investigations in diseases of Breast	(1 hr) Teacher will discuss various methods of investigation in the diseases of Breast and demonstrate procedure by Video / Pictorial demonstration Students will analyze and interpret - i) Sono-mammogram ii) Fine Needle Aspiration Cytology (FNAC) iii) Biopsy
NLHP 24.2	Fibroadenoma Breast	(1 hr) Teacher will demonstrate diagnosis and management of Fibroadenoma Breast on case/ model. Students will elaborate following steps in cases of Fibroadenoma Breast - 1. History taking 2. Examination 3. Investigations 4. Counselling 5. Management 6. Indications for referral
NLHP 24.3	Clinical diagnosis of Breast carcinoma	(1 hr) Teacher will demonstrate clinical features and methods of diagnosis of Breast carcinoma on case/ model. Students will elaborate following steps in cases of diagnosis of Breast carcinoma - 1. History taking 2. Examination 3. Provisional diagnosis

4. Need of Investigations
5. Diagnosis and referral

Topic 25 Shastra Karma in Stree Roga - Surgical Procedures in Gynaecology (LH :4 NLHT: 1 NLHP: 4)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO3	Elaborate Preoperative preparation with respect to <i>Prasuti Stree Roga</i>	CC	NK	K	L&PPT	S-LAQ,VV-Viva	F	III	-	LH
CO3	Explain Postoperative care in <i>Prasuti Stree Roga</i>	CC	NK	K	L&PPT	S-LAQ,VV-Viva	F	III	-	LH
CO3	Explain <i>Granthi Nirharana</i> (Cystectomy)	CC	DK	K	L&PPT	S-LAQ,VV-Viva	F&S	III	-	LH
CO3	Explain <i>Garbhashaya Arbuda Nirharana</i> (Myomectomy)	CC	DK	K	L&PPT	VV-Viva,C OM,S-LAQ	F	III	-	LH
CO3	Explain the Steps of Laparoscopic Tubal Ligation.	CC	DK	K	L_VC	P-VIVA,V V-Viva	F&S	III	-	NLHT25.1
CO3, CO6	Describe the steps of surgical procedure in <i>Udaragata Garbhashaya Nirharana</i> - Abdominal Hysterectomy	CC	DK	K	D,CBL, L_VC	VV-Viva,C OM,S-LAQ	F&S	III	-	NLHP25.1
CO3, CO6	Describe the steps of surgical procedure in <i>Yonimarga-gata Garbhashaya Nirharana</i> - Vaginal Hysterectomy	CC	DK	K	D,CBL, L_VC	S-LAQ,VV-Viva,COM	F&S	III	-	NLHP25.2
CO3, CO6	Describe the steps of surgical procedure in <i>Garbhashayamukha Vistrutikarana</i> and <i>Lekhana</i> . (Dilatation and Curettage)	CC	DK	K	D,D-M,CBL	S-LAQ,P-V IVA,VV-Viva,COM	F&S	III	-	NLHP25.3
CO3, CO6	Describe the steps of Surgical sterilization – Tubectomy and Vasectomy	CC	DK	K	L_VC,D	VV-Viva,S-LAQ	F&S	III	-	NLHP25.4

Non Lecture Hour Theory		
S.No	Name of Activity	Description of Theory Activity
NLHT 25.1	Laparoscopic Tubal Ligation	(1 hr) Teacher will demonstrate laparoscopic procedure of Tubal Ligation through Video / Case Students will observe and document steps of Laparoscopic Tubal Ligation.
Non Lecture Hour Practical		
S.No	Name of Practical	Description of Practical Activity
NLHP 25.1	Abdominal Hysterectomy	(1 hr) Teacher will demonstrate the steps of surgical procedure in <i>Udaragata Garbhashaya Nirharana</i> - Abdominal Hysterectomy on Video / Case. Students will observe the steps of Abdominal Hysterectomy, discuss precautions and possible complications.
NLHP 25.2	Vaginal Hysterectomy	(1 hr) Teacher will demonstrate the steps of surgical procedure in <i>Yonimarga-gata Garbhashaya nirharana</i> - Vaginal Hysterectomy on Video / Case. Students will observe the steps of Vaginal Hysterectomy, discuss precautions and possible complications.
NLHP 25.3	Dilatation and Curettage	(1 hr) Teacher will demonstrate steps of Dilatation and Curettage and explain the possible complications on Video / Case. Students will observe, discuss the indications and document.
NLHP 25.4	Tubectomy and Vasectomy	(1 hr)

		Teacher will demonstrate steps of Surgical sterilization – Tubectomy and Vasectomy and explain the possible complications on Video / Case. Students will observe,analyze the methods and document.
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Topic 26 Stree Roga Sambandhi Aushadhi- Classical Formulations (LH :1 NLHT: 1 NLHP: 0)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO3	Demonstrate Vishishta Phalashruti (Indication) of Formulations used in Prasuti and Streeroga. Churna Kalpana: Pushyanuga Churna, Shatpushpa Churna, Shatavari Churna, Nagakeshara Churna,Ghrita Kalpana: Phalaghrita, Kashmaryadi Ghrita, Vidaryadi GhritaTaila Kalpana: Dahtakyadi taila, Shatpushpa taila, Jatyadi Taila, Narayana Taila,Asava and Arishta: Ashokarishta, Kumaryasava,Rasa aushadhi: Rajahpravartini Vati, Pratapalankeshwar Rasa, Garbhapala Rasa, Pushpadhanva Rasa,Kwatha : Nyagrodhadi Kwatha, Dashmoola Kwatha, Panchavalakala KwathaPaka Kalpana: Sobhagya Shunthi Paka, Puga Khanda/ Puga Paka,Avaleha: Jeerakavaleha, Kushmandavaleha	CAP	MK	KH	L&GD, DA	INT,VV- Viva	F&S	III	-	LH
CO3	Adapt the indication and importance of formulation used in <i>Prasuti Stree Roga</i> .	CAP	MK	KH	L&GD, PL,PER ,DIS,D A	SP,CL-PR, PRN,QZ	F	III	-	NLHT26.1

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 26.1	Application of Formulations in <i>Prasuti Stree Roga</i>	(1 hr) Students will have class room presentation/ Peer discussion Teacher will guide students to develop critical thinking about use of formulations in <i>Prasuti Stree</i>

		Roga.										
Non Lecture Hour Practical												
S.No		Name of Practical		Description of Practical Activity								
Topic 27 National Maternal Health Programs (LH :1 NLHT: 2 NLHP: 0)												
A3	B3			C3	D3	E3	F3	G3	H3	I3	K3	L3
CO5	Explain the aims, objectives, and benefits of Maternal and Child Health care programs -"Janani Suraksha yojana""Janani Shishu Suraksha Karyakram""Pradhan Mantri Surakshit Matritva Abhiyan""Mission Indradhanush""Menstrual hygiene""LaQshya Program""MAA program"			CC	MK	K	L&PPT	QZ ,S-LAQ ,VV- Viva,COM	F&S	III	-	LH
CO5	Follow Sexual and Reproductive Health Rights.			AFT- REC	MK	KH	BL,DIS, PL,FC	COM,VV- Viva,INT,Q Z	F	III	-	NLHT27.1
CO5	Explain the goals, objectives, and strategies of Reproductive and Child Health programme.			CC	MK	K	FV,DIS	QZ ,VV- Viva,RK	F&S	III	-	NLHT27.2
Non Lecture Hour Theory												
S.No		Name of Activity		Description of Theory Activity								
NLHT 27.1		Sexual and Reproductive Health Rights		(1 hr) Students will do research on Sexual and Reproductive Health rights and have peer discussion. Teacher will explain the key points on sexual health, sexual rights, reproductive health and reproductive rights								
NLHT 27.2		Reproductive and Child health care services		(1 hr)								

		Teacher will equip students to get familiarized with Health care facility and functionality. Students will discuss and document the aspects of early identification and tracking of the individual beneficiary throughout the reproductive lifecycle of women and promote, monitor and support the reproductive, maternal, new-born and child health (RMNCH) schemes/programme delivery and reporting.
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Non Lecture Hour Practical

S.No	Name of Practical	Description of Practical Activity
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Topic 28 Medical ethics, Record keeping and Audit in Obstetrics and Gynaecology (LH :1 NLHT: 1 NLHP: 1)

A3	B3	C3	D3	E3	F3	G3	H3	I3	K3	L3
CO6	Explain the importance of Medical ethics and documentation in Obstetrics & Gynaecology	CC	MK	K	L&PPT	S-LAQ,RK, VV-Viva	F&S	III	-	LH
CO6	Demonstrate documentation and audit in <i>Prasuti Stree Roga</i>	CAP	MK	KH	DIS,PT	RK	F&S	III	-	NLHT28.1
CO6	Practice documentation - Antenatal Care, Intranatal care, Postnatal care, Tubectomy, Birth registry, Surgery and referral.	CAP	MK	KH	FV,BL,I BL,PT	VV-Viva,RK	F&S	III	-	NLHP28.1

Non Lecture Hour Theory

S.No	Name of Activity	Description of Theory Activity
NLHT 28.1	Documentation and audit	(1 hr) Teacher will demonstrate documentation and audit in <i>Prasuti Stree Roga</i> . Students will observe and analyze Medical records - registers, consent sheets, case sheets and explain components in audit process.

Non Lecture Hour Practical

S.No	Name of Practical	Description of Practical Activity
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NLHP 28.1	Medical record documentation	(1 hr) Teacher will enable students to gain competency in documentation. Students will Practice documentation in Antenatal Care, Intranatal care, Postnatal care, Tubectomy, Birth registry, Surgery and referral.
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Table 4 : NLHT Activity

(*Refer table 3 of similar activity number)

Activity No*	CO No	Activity details
1.1	CO1	Anatomy of female genital organs
1.2	CO1	<i>Asthi, Sandhi and Parimana of Stree Shroni</i>
2.1	CO2	Concept of <i>Raja, Artava and Shukra</i> .
2.2	CO1	Physiology of Menstruation.
2.3	CO1	Importance of <i>Rutukala</i>
2.4	CO1	<i>Tridosha and Panchamahabhuta in Rutuchakra</i> .
3.1	CO1	<i>Garbha and Garbhavakranti</i>
3.2	CO1	<i>Apara, Nabhinadi and Garbhodaka Vikaras</i> (abnormalities of placenta, umbilical cord and amniotic fluid) with clinical significance.
3.3	CO1	<i>Garbha Poshana</i> (fetal nourishment) and <i>Garbha Vridhhikara Bhava</i> .
3.4	CO1	Month wise fetal development
4.1	CO1	<i>Garbhini Nidana</i> : Diagnosis of pregnancy
4.2	CO1,CO4	High Risk Pregnancy
4.3	CO1,CO5	Demographic Statistics in Obstetrics
5.1	CO1,CO5	Abortion
5.2	CO1	Intra uterine growth restriction
5.3	CO1,CO6	Intra uterine fetal demise.
5.4	CO1	<i>Rakta Gulma</i>

7.1	CO3,CO4	Essential drugs for labour practice; as per National protocol.
8.1	CO4	Prolonged Labour
8.2	CO4	Postmaturity
9.1	CO4	<i>Moodhagarbha - Bheda and Gati.</i>
9.2	CO4	Obstetric Emergencies
9.3	CO1,CO4	Abnormal presentations – face, brow, shoulder presentations
10.1	CO4	Puerperal diseases.
11.1	CO4	Breast milk and feeding techniques.
11.2	CO4	Mastitis and Breast Abscess.
12.1	CO2	Neuroendocrinology with respect to Puberty
12.2	CO2	Applied aspects - Puberty and Adolescence
13.1	CO3	Instruments used in Obstetrics and Gynaecology
14.1	CO2,CO6	Gynaecological history taking.
15.1	CO2	Ashtartava dusti
15.2	CO2,CO6	<i>Artava kshaya, Anartava , Asrugdara & Artava vruddhi</i>
16.1	CO2,CO6	Hormone Replacement Therapy (HRT)
17.1	CO2	<i>Shlokas of Yonivyapad</i>
17.2	CO2	<i>Panchakarma in Yonivyapad</i>

17.3	CO2,CO6	Case studies on different <i>Yonivyapad</i>
18.1	CO2,CO3	Role of <i>Panchakarma</i> in <i>Vandhyatwa</i>
18.2	CO2	Shukra Dushti and semen abnormalities
18.3	CO2	Assisted Reproductive Techniques (ART)
19.1	CO2	Diagnostic tools
20.1	CO3	<i>Kshara karma</i> and <i>Agni karma</i>
20.2	CO3,CO6	<i>Uttara Basti</i>
21.1	CO2,CO3,CO6	Benign conditions of Ovary and Fallopian tube
21.2	CO2,CO3	Premalignant and Malignant lesions
22.1	CO2,CO3,CO6	<i>Guhya roga</i> (Sexually Transmitted Diseases)
23.1	CO2,CO3	Infections of Pelvic organs
24.1	CO2	Self Breast examination
25.1	CO3	Laparoscopic Tubal Ligation
26.1	CO3	Application of Formulations in <i>Prasuti Stree Roga</i>
27.1	CO5	Sexual and Reproductive Health Rights
27.2	CO5	Reproductive and Child health care services
28.1	CO6	Documentation and audit

Table 5 : List of Practicals

(*Refer table 3 of similar activity number)

Practical No*	CO No	Practical Activity details
1.1	CO1	<i>Tryavarta Yoni</i>
1.2	CO1	Spatial orientation and Blood supply of uterus and adnexa
1.3	CO1,CO4	Female bony pelvis
2.1	CO1	<i>Rajaswala paricharya</i>
3.1	CO1	<i>Garbha Samskara and Pumsavana Samskara.</i>
3.2	CO1,CO4	Fetus-in-utero
4.1	CO1	Clinical Diagnosis of pregnancy
4.2	CO1	<i>Garbha Vikruti</i>
4.3	CO1,CO4	Antenatal History taking and Examination
4.4	CO1,CO5	Investigations in pregnancy
5.1	CO1	Ectopic pregnancy
5.2	CO1,CO5	<i>Garbhashaya Mukha Vistrutikarana evam Garbhasaya Lekhana</i> - Dilatation and Curettage <i>Garbhashaya Greeva Samvritikarana</i> - Cervical Encirclage
5.3	CO1	Intra Uterine Growth Restriction, Oligohydramnios and Polyhydramnios
5.4	CO1,CO6	Intrauterine Fetal Demise (IUFD)
6.1	CO1,CO3,CO6	<i>Garbhini Pandu</i> - Anaemia in pregnancy.
6.2	CO1,CO3,CO6	<i>Yamala-garbha</i> - Twin Pregnancy (1 hr)

6.3	CO1,CO3,CO6	<i>Garbhini Jwara</i> - fever in pregnancy.
6.4	CO1,CO3,CO6	Hypertensive disorders in Pregnancy
6.5	CO1,CO3,CO5	Antepartum Hemorrhage -Placenta previa
6.6	CO1,CO3,CO5	Antepartum Hemorrhage - Abruption placenta
7.1	CO4,CO5	Labour Room Setup
7.2	CO4,CO5	Diagnosis of Labour
7.3	CO4	Fetal skull and labour
7.4	CO4	Adequacy of pelvis
7.5	CO4	Mechanism of Labour
7.6	CO4	Management of stages of labour
7.7	CO3,CO4	Plot partograph
7.8	CO4	Intrapartum fetal monitoring techniques
7.9	CO4,CO5	Stages of Labour
7.10	CO4	Labour monitoring
7.11	CO3,CO4	Episiotomy
7.12	CO4,CO5	<i>Jatamatra Paricharya</i>
8.1	CO4	Preterm labour
8.2	CO4	Postpartum Hemorrhage
8.3	CO4	Retained placenta

8.4	CO4	Postpartum hemorrhage management.
9.1	CO4	Assisted Breech delivery.
9.2	CO4	Assesment of Cephalo-Pelvic Disproportion
9.3	CO4	Complications of <i>Moodha Garbha</i>
9.4	CO1,CO3,CO4	1. Bishop's score and Induction/ Augmentation of Labour 2. Assisted labour techniques
10.1	CO4	Examination of a puerperal woman - abdominal, perineal, and breast.
10.2	CO4	<i>Sootika Vyadhi</i>
10.3	CO4,CO5	Contraception
11.1	CO4	Techniques of Breastfeeding.
11.2	CO4	Breast Engorgement, Mastitis, Breast abscess
12.1	CO1,CO2	Development of Female reproductive system
12.2	CO1,CO2	Anomalies of Female reproductive system
12.3	CO2	Puberty
12.4	CO2	Identify normal and abnormal Pubertal changes.
13.1	CO3	Instrument sterilization methods
13.2	CO3	Instruments - <i>Sandansha and Swastika yantra</i>
13.3	CO3	Instruments - <i>Shalaka,Tala & Nadi yantra</i>
13.4	CO3	Sharp instruments.

14.1	CO2,CO6	Examination in Gynaecology including Breast
14.2	CO2,CO6	Abdominal Examination in Gynaecology
14.3	CO2	Plan Diagnostic procedures
14.4	CO2,CO6	Vaginal ,Recto vaginal & Per Rectal examination
15.1	CO2	Artava kshaya - Oligomenorrhoea & Hypomenorrhoea
15.2	CO2,CO6	Anartava - Amenorrhoea evaluation and management
15.3	CO2,CO6	Poly Cystic Ovarian Syndrome (PCOS)
15.4	CO2,CO6	Management of <i>Asrugdara</i> and <i>Artava Vruddhi</i> - Structural and Non-structural / Systemic causes
16.1	CO2	Menopause
16.2	CO2	Plan management of Menopause
17.1	CO2	<i>Udavarta (Kastartava) / Vatala/ Vipluta /Paripluta yonivyapad.</i>
17.2	CO2,CO6	<i>Pittala/ Rudhirakshara/ Karnini/ Acharana/ Aticharana yonivyapad</i>
17.3	CO2,CO6	Dysmenorrhoea
17.4	CO2,CO6	Endometriosis and Adenomyosis.
17.5	CO2,CO6	Pelvic Inflammatory Disease (PID)
17.6	CO2,CO6	Case presentation on <i>Yonivyapad</i>
17.7	CO2,CO6	Cervical erosion
17.8	CO2,CO6	<i>Yoni kandu</i> - Pruritus Vulvae
17.9	CO2,CO6	Cystocele & Rectocele
17.10	CO2,CO6	Uterovaginal prolapse

18.1	CO2,CO6	Male partner evaluation in Infertility
18.2	CO2,CO6	Female partner evaluation in Infertility
18.3	CO2	Semen Analysis.
18.4	CO2	Interpret Ultrasound / Follicular study
18.5	CO2	Hysterosalpingography (HSG)
18.6	CO2	Cervical mucous tests
18.7	CO2	Intra Uterine Insemination (IUI)
18.8	CO2	Practical case presentation on Infertility
19.1	CO2	PAP test, Visual inspection and Colposcopy
19.2	CO2,CO6	Cervical biopsy and Endometrial biopsy
20.1	CO3,CO6	<i>Yonidhavana and Yoniprakshalana</i>
20.2	CO2	<i>Yoni-Pichu dharana</i>
20.3	CO2	<i>Yoni-varti</i>
20.4	CO2	Yoni lepana
20.5	CO2	<i>Yoni-avachoornana</i>
20.6	CO2	<i>Yonipurana</i>
20.7	CO2	<i>Yoni dhoopana</i>
21.1	CO2,CO3	Diagnose and plan management of Bartholin Cyst /Abscess
21.2	CO2,CO3	Uterine Polyp

21.3	CO2,CO3	Fibroid Uterus.
21.4	CO2,CO3	Ovarian tumour / Tubo-ovarian mass
23.1	CO2,CO3,CO6	Abnormal Vaginal Discharges / Leucorrhoea
23.2	CO2,CO3,CO6	Abnormal Vaginal Discharges (Infective)
24.1	CO2,CO3,CO6	Investigations in diseases of Breast
24.2	CO2,CO3,CO6	Fibroadenoma Breast
24.3	CO2,CO3,CO6	Clinical diagnosis of Breast carcinoma
25.1	CO3,CO6	Abdominal Hysterectomy
25.2	CO3,CO6	Vaginal Hysterectomy
25.3	CO3,CO6	Dilatation and Curettage
25.4	CO3,CO6	Tubectomy and Vasectomy
28.1	CO6	Medical record documentation

Table 6 : Assessment Summary: Assessment is subdivided in A to H points**6 A : Number of Papers and Marks Distribution**

Subject Code	Papers	Theory	Practical/Clinical Assessment (200)					Grand Total
			Practical	Viva	Elective	IA	Sub Total	
AyUG-PS	2	200	100	60	10 (Set-TA)	30	200	400

6 B : Scheme of Assessment (Formative and Summative)

PROFESSIONAL COURSE	FORMATIVE ASSESSMENT			SUMMATIVE ASSESSMENT
	First Term (1-6 Months)	Second Term (7-12 Months)	Third Term (13-18 Months)	
Third	3 PA & First TT	3 PA & Second TT	3 PA	UE**

PA: Periodical Assessment; **TT:** Term Test; **UE:** University Examinations; **NA:** Not Applicable.

**University Examination shall be on entire syllabus

6 C : Calculation Method for Internal assessment Marks

TERM	PERIODICAL ASSESSMENT*					TERM TEST**	TERM ASSESSMENT	
	A 5	B	C	D	E	F	G	H
	1 (15 Marks)	2 (15 Marks)	3 (15 Marks)	Average (A+B+C/3)	Converted to 30 Marks (D/15*30)	Term Test (Marks converted to 30)	Sub Total _/60 Marks	Term Assessment t (.../30)
FIRST							E+F	(E+F)/2
SECOND							E+F	(E+F)/2
THIRD						NIL		E
Final IA	Average of Three Term Assessment Marks as Shown in 'H' Column.							
	Maximum Marks in Parentheses *Select an Evaluation Method which is appropriate for the objectives of Topics from the Table 6 D for Periodic assessment. Conduct 15 marks assessment and enter marks in A, B, and C. ** Conduct Theory (100 Marks)(MCQ(20*1 Marks), SAQ(8*5), LAQ(4*10)) and Practical (100 Marks) Then convert to 30 marks.							

6 D : Evaluation Methods for Periodical Assessment

S. No.	Evaluation Methods
1.	Practical / Clinical Performance
2.	Viva Voce, MCQs, MEQ (Modified Essay Questions/Structured Questions)
3.	Open Book Test (Problem Based)
4.	Summary Writing (Research Papers/ Samhitas)
5.	Class Presentations; Work Book Maintenance
6.	Problem Based Assignment
7.	Objective Structured Clinical Examination (OSCE), Objective Structured Practical Examination (OPSE), Mini Clinical Evaluation Exercise (Mini-CEX), Direct Observation of Procedures (DOP), Case Based Discussion (CBD)
8.	Extra-curricular Activities, (Social Work, Public Awareness, Surveillance Activities, Sports or Other Activities which may be decided by the department).
9.	Small Project
10.	Activities Indicated in Table 3 - Column G3 as per Indicated I, II or III term in column I3.

Topics for Periodic Assessments

PA	PAPER 1	PAPER 2
PA 1	Topic 1 Topic 2	Topic 12
PA 2	Topic 3	Topic 13 Topic 14
PA 3	Topic 4	Topic 15
TERM TEST 1 – Entire syllabus of Term 1 of Paper 1 and 2		
PA 4	Topic 5	Topic 17
PA 5	Topic 6	Topic 18
PA 6	Topic 7	Topic 20
TERM TEST 2 – Entire syllabus of Term 2 of Paper 1 and 2		
PA 7	Topic 9	Topic 21
PA 8	Topic 10	Topic 23
PA 9	Topic 11	Topic 24

6 E : Question Paper Pattern

III PROFESSIONAL BAMS EXAMINATIONS

AyUG-PS

PAPER-I

Time: 3 Hours Maximum Marks: 100

INSTRUCTIONS: All questions compulsory

		Number of Questions	Marks per question	Total Marks
Q 1	MULTIPLE CHOICE QUESTIONS (MCQ)	20	1	20
Q 2	SHORT ANSWER QUESTIONS (SAQ)	8	5	40
Q 3	LONG ANSWER QUESTIONS (LAQ)	4	10	40
				100

Similar for Paper II.

6 F : Distribution of theory examination

Paper 1 (PRASUTI TANTRA - OBSTETRICS)					
Sr. No	A List of Topics	B Marks	MCQ	SAQ	LAQ
1	Stree Vishishta Shareera Vigyana - Anatomy of Female Reproductive System	30	Yes	Yes	Yes
2	Rutuchakra - Menstrual Cycle		Yes	Yes	Yes
3	Garbha Vigyana - Embryology & Fetal Development		Yes	Yes	Yes
4	Garbhini Vigyana - Physiology of Pregnancy & Antenatal Care		Yes	Yes	Yes
5	Garbha Vyapad - Fetal Pathologies	40	Yes	Yes	Yes
6	Garbhini Vyapad - Minor Ailments and Major Disorders of Pregnancy		Yes	Yes	Yes
7	Prasava Vigyana - Labour		Yes	Yes	Yes
8	Prasava Vyapad - Labour Complications & Obstetric Emergencies.	30	Yes	Yes	Yes
9	Moodhagarbha - Obstructed Labour		Yes	Yes	Yes
10	Sootika Vigyana - Puerperium		Yes	Yes	Yes
11	Stanya Vigyana - Lactation		Yes	Yes	No
Total Marks		100			

Paper 2 (STREE ROGA - GYNAECOLOGY)					
Sr. No	A List of Topics	B Marks	MCQ	SAQ	LAQ
12	Stree Prajanananga Nirmana and Vikruti - Development of Female Reproductive System with Anomalies.	30	Yes	Yes	Yes
13	Yantra evam Shastra - Instruments		Yes	Yes	No
14	Stree Rugna Parikshana - Gynaecological Examination		No	Yes	No
15	Artava Vyapad - Menstrual Disorders		Yes	Yes	Yes
16	Rajonivritti - Menopause		Yes	Yes	Yes
17	Yoni Vyapad - Disorders of Female Reproductive system	40	Yes	Yes	Yes
18	Vandhyatwa - Infertility		Yes	Yes	Yes
19	Vyadhi Vinischaya Upaya - Diagnostic Tools and Techniques		Yes	Yes	No

20	Sthanika Upakrama - In situ Treatment Modalities		Yes	Yes	Yes
21	Stree Janananga Granthi Evam Arbuda - Benign & Malignant lesions of Female Reproductive System	30	Yes	Yes	Yes
22	Guhya Roga - Sexually Transmitted Diseases		Yes	Yes	No
23	Yoni srava - Vaginal Discharge		Yes	Yes	Yes
24	Stana Roga - Breast Disorders		Yes	Yes	Yes
25	Shastra Karma in Stree Roga - Surgical Procedures in Gynaecology		Yes	Yes	Yes
26	Stree Roga Sambandhi Aushadhi- Classical Formulations		Yes	Yes	No
27	National Maternal Health Programs		Yes	Yes	No
28	Medical ethics, Record keeping and Audit in Obstetrics and Gynaecology		No	Yes	No
Total Marks		100			

6 G : Instructions for UG Paper Setting & Blue print

1. All questions shall be compulsory.
2. Questions shall be drawn based on Table 6F, which provides the topic name, types of questions (MCQ(Multiple Choice Question), SAQ(Short Answer Question), LAQ(Long Answer Question)).
3. The marks assigned in Table 6F for each topic/group of topics shall be considered as the maximum allowable marks for that topic/group of topics.
4. Ensure that the total marks allocated per topic/group of topics do not exceed the limits specified in Table 6F.
5. Refer to Table 6F before setting the questions. Questions shall be framed only from topics where the type is marked as “YES”, and avoided if marked as “NO”.
6. Each 100-mark question paper shall contain:
 - 20 MCQs
 - 8 SAQs
 - 4 LAQs
7. MCQs:
 - Majority shall be drawn from the Must to Know part of the syllabus.
 - Questions from the Desirable to Know part of syllabus shall not exceed 3.
 - Questions from the Nice to Know part of syllabus shall not exceed 2.
8. SAQs:
 - Majority shall be drawn from the Must to Know part of the syllabus.
 - Questions from the Desirable to Know part of syllabus shall not exceed 1.
 - No questions shall be drawn from the Nice to Know part of syllabus.
 - SAQs shall assess understanding, application, and analysis, rather than simple recall.
9. LAQs:
 - All LAQs shall be drawn exclusively from the Must to Know part of the syllabus.
 - No questions shall be taken from the Desirable to Know or Nice to Know part of the syllabus.
 - Number of LAQs should not exceed one per topic unless maximum marks exceed 20 for the topic.
10. Long Answer Questions shall be structured to assess higher cognitive abilities, such as application, analysis, and synthesis.
11. Follow the guidelines in User Manual III for framing MCQs, SAQs, and LAQs.

6 H : Distribution of Practical Exam

S.No	Heads	Marks
1	Case Taking - 2 cases (15 marks each) <ul style="list-style-type: none">• Prasuti - 1 case• Stree Roga - 1 case	30
2	Spotting of Instruments, Drugs, Models and Specimen - <ul style="list-style-type: none">• 10 Instruments - Identification, use• 2 Drugs - Identification, indication• 2 Models - Identification• 1 Specimen - Identification	30
3	Clinical Skill Based Examination.	20
4	Structured Viva-Voce - <ul style="list-style-type: none">• Shloka recitation - 10 marks• Conceptual knowledge - 10 marks• Diagnostic interpretation - 10 marks• Procedures and practical applications - 10 marks• Therapeutics and management - 10 marks• Preventive care and recent advances - 10 marks	60
5	Practical record - <ul style="list-style-type: none">• Prasuti Tantra - 5 Garbhini (Antenatal), 5 Prasava (Labour), 5 Sutika (Postnatal)• Stree Roga - 10 Stree roga(Gynaecological disorders), 5 Sthanika Upakrama (In-situ treatment modalities)	20
6	Internal Assessment	30

7	Electives Set -TA	10
Total Marks		200

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S.No	Resources
1	Agnivesa, Charak Samhita, Edited by Jadavji Trikamji Acharya, Reprint edition, New Delhi: Chaukhambha Sanskrit Series; 2015
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20	Konar H., DC Dutta's Textbook of Gynecology, 9 th ed., New Delhi, Jaypee Brothers Medical Publishers Pvt. Ltd, 2024
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22	Konar H., DC Dutta's Clinics in Obstetrics, 1 st ed., New Delhi, Jaypee Brothers Medical Publishers Pvt. Ltd, 2024

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Abbreviations

Domain		T L Method		Level		Assessment		Integration	
CK	Cognitive/Knowledge	L	Lecture	K	Know	T-CS	Theory case study	V-RS	V RS
CC	Cognitive/Comprehension	L&PPT	Lecture with PowerPoint presentation	KH	Knows how	T-OBT	Theory open book test	V-KS	V KS
CAP	Cognitive/Application	L&GD	Lecture & Group Discussion	SH	Shows how	P-VIVA	Practical Viva	H-KC	H KC
CAN	Cognitive/Analysis	L_VC	Lecture with Video clips	D	Does	P-REC	Practical Recitation	H-SH	H SH
CS	Cognitive/Synthesis	REC	Recitation			P-EXAM	Practical exam	H-PK	H PK
CE	Cognitive/Evaluation	SY	Symposium			PRN	Presentation	H-SHL	H SHL
PSY-SET	Psychomotor/Set	TUT	Tutorial			P-PRF	Practical Performance	H-SP	H SP
PSY-GUD	Psychomotor/Guided response	DIS	Discussions			P-SUR	Practical Survey	H-KB	H-KB
PSY-MEC	Psychomotor/Mechanism	BS	Brainstorming			P-EN	Practical enact	H-Samhita	H-Samhita
PSY-ADT	Psychomotor Adaptation	IBL	Inquiry-Based Learning			P-RP	Practical Role play	V-DG	V DG
PSY-ORG	Psychomotor/Origination	PBL	Problem-Based Learning			P-MOD	Practical Model	V-RN	V RN
AFT-REC	Affective/ Receiving	CBL	Case-Based Learning			P-POS	Practical Poster	V-RS	V RS
AFT-RES	Affective/Responding	PrBL	Project-Based Learning			P-CASE	Practical Case taking	V-AT	V AT
AFT-VAL	Affective/Valuing	TBL	Team-Based Learning			P-ID	Practical identification	V-SW	V SW
AFT-SET	Affective/Organization	TPW	Team Project Work			P-PS	Practical Problem solving		
AFT-CHR	Affective/characterization	FC	Flipped Classroom			QZ	Quiz		
PSY-PER	Psychomotor/perception	BL	Blended Learning			PUZ	Puzzles		
PSY-COR	Psychomotor/ Complex Overt Response	EDU	Edutainment			CL-PR	Class Presentation		
		ML	Mobile Learning			DEB	Debate		
		ECE	Early Clinical Exposure			WP	Word puzzle		
		SIM	Simulation			O-QZ	Online quiz		
		RP	Role Plays			O-GAME	Online game-based assessment		
		SDL	Self-directed learning			M-MOD	Making of Model		
		PSM	Problem-Solving Method			M-CHT	Making of Charts		
		KL	Kinaesthetic Learning			M-POS	Making of Posters		

		W	Workshops			C-INT	Conducting interview		
		GBL	Game-Based Learning			INT	Interactions		
		LS	Library Session			CR-RED	Critical reading papers		
		PL	Peer Learning			CR-W	Creativity Writing		
		RLE	Real-Life Experience			C-VC	Clinical video cases		
		PER	Presentations			SP	Simulated patients		
		D-M	Demonstration on Model			PM	Patient management problems		
		PT	Practical			CHK	Checklists		
		X-Ray	X-ray Identification			Mini-CEX	Mini-CEX		
		CD	Case Diagnosis			DOPS	DOPS		
		LRI	Lab Report Interpretation			CWS	CWS		
		DA	Drug Analysis			RS	Rating scales		
		D	Demonstration			RK	Record keeping		
		D-BED	Demonstration Bedside			COM	Compilations		
		DL	Demonstration Lab			Portfolios	Portfolios		
		DG	Demonstration Garden			Log book	Log book		
		FV	Field Visit			TR	Trainers report		
						SA	Self-assessment		
						PA	Peer assessment		
						360D	360-degree evaluation		
						PP-Practical	Practical		
						VV-Viva	Viva		
						DOAP	Demonstration Observation Assistance Performance		
						SBA	Scenario Based Assessment		
						CBA	Case based Assessment		
						S-LAQ	Structured LAQ		
						OSCE	Observed Structured Clinical Examination		
						OSPE	Observed Structured Practical Examination		
						DOPS	Direct observation of procedural skills		