

COURSE CURRICULUM FOR THIRD PROFESSIONAL B.U.M.S.

(PRESCRIBED BY NCISM)

ILMUL JARAHAT (Surgery)

(SUBJECT CODE : UNIUG-IJ)

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



॥ आयुषे सर्वलोकानाम् ॥

BOARD OF UNANI, SIDHA AND SOWA-RIGPA
NATIONAL COMMISSION FOR INDIAN SYSTEM OF MEDICINE

NEW DELHI-110026



NCISM

III Professional Kamil-e-Tib-o-Jarahat
(Bachelor of Unani Medicine and Surgery(B.U.M.S.))

Subject Code : UNIUG-IJ

Ilmul Jarahat

(Surgery)

Summary

Total number of Teaching hours: 450			
Lecture (LH) - Theory		150	150(LH)
Paper I	75		
Paper II	75		
Non-Lecture (NLHT)		90	300(NLH)
Paper I	45		
Paper II	45		
Non-Lecture (NLHP)		210	
Paper I	105		
Paper II	105		

Examination (Papers & Mark Distribution)					
Item	Theory Component Marks	Practical Component Marks			
		Practical	Viva	Elective	IA
Paper I	100	100	30	-	20
Paper II	100				
Sub-Total	200	150			
Total marks	350				

Important Note:- The User Manual III BUMS 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 syllabus24uni@ncismindia.org

Preface

The competency-based syllabus of Ilmul Jarahat (Surgery) for the 3rd Professional Bachelor of Unani Medicine and Surgery (BUMS) has been meticulously designed in alignment with the guidelines provided by the National Commission for Indian System of Medicine (NCISM). This syllabus reflects a comprehensive approach towards enhancing the surgical understanding of students, integrating traditional Unani principles with contemporary surgical practices, recognizing that Ilmul Jarahat is a critical branch of Unani Medicine that demands both deep theoretical knowledge and practical expertise. This syllabus emphasizes developing competencies that enable students to diagnose, manage, and treat surgical conditions effectively. More focus is imparted on skill-based learning to ensure that students are well-prepared to address the challenges of surgical practices while upholding the rich heritage and scientific wisdom of Unani Medicine.

This syllabus is designed to provide a balanced blend of theoretical understanding and practical application. It includes detailed modules on various surgical diseases, diagnostic techniques, and patient management with holistic approaches. The inclusion of clinical training and hands-on experience is intended to bridge the gap between classroom learning and real-life medical expertise. The competency-based approach is particularly significant as it encourages self-directed learning, critical thinking, and continuous assessment. Students will be expected to demonstrate their competencies through regular evaluations, ensuring that they achieve the necessary skills to excel in the field of Ilmul Jarahat.

This preface is not just an introduction to the syllabus but a commitment to the pursuit of knowledge, skill, and ethical practice in the field of Ilmul Jarahat. I am confident that this competency-based syllabus will serve as a robust foundation for the students, guiding them to validate their knowledge and skills through practical application and continuous assessment, ultimately shaping them into competent and compassionate Unani surgeons.

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Course Code and Name of Course

Course code	Name of Course
UNIUG-IJ	Ilmul Jarahat

Table 1 : Course learning outcomes and mapped PO

SR1	A1	B1
CO No	Course learning Outcomes (CO) UNIUG-IJ At the end of the course UNIUG-IJ, the students should be able to	Course learning Outcomes mapped with program learning outcomes.
CO1	Appriase the historical perspectives of Ilmul Jarāḥat (Surgery), its evolution to recent advancements, and the incorporation of Unani principles, modern techniques, evidence-based practices and wound healing management.	PO1,PO2
CO2	Critically evaluate different surgical conditions based on Tashrīḥ-i-Jarāḥi (Surgical Anatomy), Tā'rīf (Definition), Asbāb (Aetiology), 'Alāmāt (Clinical features), (Appropriate Investigations) and implement evidence-based 'Ilāj (Management) plans incorporating therapeutic options, including Jarāḥat Amale Sagheera (Minor surgical procedures) and Mueen-i- Amale Jarāḥat (Para surgical procedures).	PO2,PO3,PO8
CO3	Apply the principles of rehabilitation and assess patients effectively throughout the perioperative continuum, addressing; patient preparation, anesthesia considerations, concept of pain management, infection prevention, and referral protocols.	PO6
CO4	Identify, demonstrate and apply the uses of surgical instruments (Aalāt Jarahiyah ki Shinakht,Unki Tauzeeh aur Ist'eymalat) and methods of sterilization ('Amal-i-Tatheer ke Tareeqey) to ensure patient safety and prevent infection.	PO2,PO4
CO5	Demonstrate skills in history-taking, clinical examination, and utilization of diagnostic modalities such as radiology, pathology, and endoscopy to justify the surgical diagnosis and devise management planning to integrate Unani principles and modern technologies.	PO2,PO4,PO7

CO6	Demonstrate expertise in surgical ethics, encompassing informed consent, legal accountability, medico-legal implications, and effective communication skills to provide high-quality, patient-focused care.	PO5,PO7
CO7	Analyze and appraise the role of critical and creative thinking, self-directed learning, conducting clinical research, and Unani entrepreneurship, enabling graduates to develop and commercialize innovative traditional medicine	PO3,PO4,PO6,PO7,PO8

Table 2 : Contents of Course

Paper 1 (Ilmul Jarahat (Surgery) Paper I)						
Sr.No	A2 List of Topics	B2 Term	C2 Marks	D2 Lecture hours	E2 NonLecture hours Theory	F2 NonLecture hours Practica I
1	<p>1 TA'RUF AUR TAREEKHI PAS MANZAR (INTRODUCTION AND HISTORICAL BACKGROUND)</p> <p>1.1 Ahmiyat aur Imkanāt (Scope and its Importance).</p> <p>1.2 Unani Atibba Ki Jarahat Ke Maidān Mein Aham Khidmāt (Contributions of Unani scholars in the Field of Ilm-ul-Jarahat).</p> <p>1.3 Aalāt Jarahiyah ki Shinakht, Ist'eymalat aur Unki Tauzeeh (Identification and Uses of Surgical Instruments, and their Demonstration)</p> <p>1.4 Qadeem wa Jadeed Aalāt ki Mālomat aur Mutal'a (Knowledge and Study of Ancient and Recent Instruments)</p>	1	17	2	2	8
2	<p>2 JUROOH WA QUROOH (WOUNDS AND ULCERS)</p> <ul style="list-style-type: none"> • Darjabandi (Classification) • Alamāt wa Nishaniyan (Clinical Features) • Usool-i-Tashkhees wa 'Ilāj (Principles of Management) • Jurooh wa Qurooh ka Tareeqa-i-'Ilāj (Treatment of Wounds and Ulcers) 	1		4	2	8

	<p>2.1 سائمولیٹر پر جروح کی بنیادی دیکھ بھال Simulator par Jurooh ki Bunyadi Dekh Bhal (Basic wound care on wound care simulator)</p>					
3	<p>3 TA'DIYA (INFECTION) تعدیہ</p> <p>3.1 عمومی تعدیہ Ta'diya Umoomi (General Infection)</p> <ul style="list-style-type: none"> • جرثومہ الدم Jaraseem-al-Dam (Bacteraemia) • تعفن الدم Ta'ffun-al-Dam (Septicaemia) • تسمم الدم Tasammum-al-Dam (Toxaemia) • تقیح الدم Taqayyuh-al-Dam (Pyaeemia) <p>3.2 غیر نوعی تعدیہ 'Ghair Nau'vi Ta'diya (Nonspecific Infection)</p> <ul style="list-style-type: none"> • التهاب خلوی Illtihab-i-Khulvi (Cellulitis) • شورادل Basoor /Dummal (Boils/ Furuncle) • شب چراغ Shab-i-Charagh (Carbuncle) • حمراء Humra (Erysipelas) • جمراء Jumra (Anthrax) <p>3.3 نوعی تعدیہ Nau'vi Ta'diya (Specific Infection)</p> <ul style="list-style-type: none"> • سوزاک Sozāk (Gonorrhoea) • آتشک Aatshak (Syphilis) • دق Diq (Tuberculosis) • کزاز Kuzāz (Tetanus) • جزام Juzām (Leprosy) <p>3.4 طفیلی امراض Amrāz-i-Tufaili (Parasitic Diseases)</p> <ul style="list-style-type: none"> • کیسہ عداریہ کبیدی Keesa-i-'Udariyah Kabidi (Hydatid Cyst of Liver) • داء الفیل Da-al-Feel (Filariasis) <p>3.5 عمل تطہیر کے طریقے Amal-i-Tatheer ke Tareeqey (Methods of Sterilization)</p>	1	7	3	5	

4	<p>4 خراج اور اسکے اقسام KHURĀJ AUR USKE AQSĀM (ABSCESS AND ITS TYPES), ناسور مجرئی اور MAJRA AUR NASOOR (SINUS AND FISTULA), غانغرانہ GHANGHARANA (GANGRENE)</p> <p>4.1 خراج اور اسکے اقسام Khurāj aur uske Aqsām (Abscess and its Types),</p> <ul style="list-style-type: none"> • خراج قہجی Khurāj-i-Qeehi (Pyogenic Abscess) • خراج قہجمی Khurāj-i-Qaihumi (Pyaemic Abscess) • خراج بارد Khurāj-i-Barid (Cold Abscess). • بطالخرنج (Incision and Drainage of Abscess) <p>4.2 مجرئی اور ناسور Majra aur Nasoor (Sinus and Fistula)</p> <ul style="list-style-type: none"> • تعریف Ta'reef (Definition) • اقسام Aqsām (Types) • علامات و نشانیوں Alamāt wa Nishaniyan (Clinical Features) • علاج Ilāj (Management) <p>4.3 غانغرانہ Ghangharana (Gangrene)</p> <ul style="list-style-type: none"> • ماہیت مرض Mahiyat Marz (Pathology) • علامات و نشانیوں Alamāt wa Nishaniyan (Clinical Features) • درجہ بندی Darajabandi (Classification) • علاج Ilāj (Management) 	1	13	5	4	5
5	<p>5 امراض شرایین اور دھنوں AMRĀZ-I-SHARAIN WA AURDA (DISEASES OF ARTERIES AND VEINS)</p> <p>5.1 دوالی زیریں اطراف Dawali zerein atraf (Varicose Veins of the Lower Limbs) تعریف Taa'reef (Definition), اسباب Asbāb (Aetiology), علامات 'Alāmat (Clinical Features), تفتیش مطلوبہ Taftesh Matlooba (Investigations), تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis), علاج Ilāj (Treatment/ Management)</p>	1		5	3	6

	<p>5.2 مرض ریناڈ Marz-i-Raynaud (Raynaud's Disease) تعریف Taa'reef (Definition), اسباب Asbāb (Aetiology), علامات 'Alāmat (Clinical Features), تفتیش مطلوبہ Taftesh Matlooba (Investigations), تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis), علاج Ilāj (Treatment/ Management)</p> <p>5.3 مرض برجر Marz-i-Buerger (Buerger's Disease), اسباب Asbāb (Aetiology), علامات 'Alāmat (Clinical Features), تفتیش مطلوبہ Taftesh Matlooba (Investigations), تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis), علاج Ilāj (Treatment/ Management)</p> <p>5.4 مشق اور انکی طریقے اور انکی مشق Mundaarja Zael Mueen-i- Jarahat Tareeqey aur unki Mashq (Practical Training of Following Para Surgical Procedures)</p> <ul style="list-style-type: none"> • عمل کی Amal-i-Kayee (Cauterization) • عمل فسد Amal-i- Fasd (Venesection) • حجامہ بالشرط Hijama-bil-Shart (Wet Cupping) • ارسال علق / تعلیق Irsaal-i-Alaq/ Taleeq (Leech Application) • آبزن Aabzan (Sitz bath) • حقنہ Huqna (Enema) 					
6	<p>6 SADMAH (SHOCK), جریان الدم/نزف الدم JIRYĀN-AL-DAM/ NAZF-AL-DAM (HAEMORRHAGE), انتقال الدم INTIQAL-AL-DAM (BLOOD TRANSFUSION), انتقال اجزاء الدم INTEQAL-I-AJZA-I- DAM (TRANSFUSION OF FRACTIONS OF BLOOD)</p> <p>6.1 صدمہ Sadmah (Shock)</p> <ul style="list-style-type: none"> • درجہ بندی Darjabandi (Classification) • علامات و نشانیوں 'Alamāt wa Nishaniyan (Clinical Features) • علاج Ilāj (Management) • عوارضات Awarizāt (Complications) 	2	23	8	5	8

	<p>6.2 جریان الدم / نزف الدم Jiryān-al-Dam/ Nazf-al-Dam (Haemorrhage)</p> <ul style="list-style-type: none"> • درجه بندی Darjabandi (Classification) • علامات و نشانیان 'Alamāt wa Nishaniyan (Clinical Features) • علاج 'Ilāj (Management) • عوارضات 'Awarizāt (Complications) <p>6.3 انتقال الدم Intiqal-al-Dam (Blood Transfusion)</p> <ul style="list-style-type: none"> • مواقع استعمال Mawaqey' Istay'mal (Indications) • موانع استعمال Mawaney' Istay'mal (Contraindications) • اجتماع Ijtima' (Collection) • طریقہ انتقال Tareeqa-i-Inteqal (Methods of Transfusion) • عوارضات اور انکا علاج 'Awarizāt aur unka 'Ilaaj (Management of Complications) <p>6.4 انتقال اجزاء الدم Inteqal-i-Ajza-i-Dam (Transfusion of Fractions of Blood)</p> <p>6.5 عمل احتقان (براه عضلی، وریدی اور تحت الجلد) 'Amal-i-Ihteqān (Barah-i-'Azli, Vareedi aur Tahtul Jild) [Injections(I/M, I/V, S/C, Intradermal)]</p> <p>6.6 دارون وریدی سیال کے انتقال کا طریقہ Daroon-i-Vareedi Sayyāl ke Inteqal ka Tareeqa (I/V Fluid therapy)</p>					
7	<p>7 حرق و سلق HARQ WA SALQ (BURN AND SCALD)</p> <ul style="list-style-type: none"> • درجه بندی اور تعین Darjabandi aur Ta'aiyyun (Classification and Assessment) • علامات و نشانیان 'Alamāt wa Nishaniyan (Clinical Features) • طریقہ اندمال Tareeqah-i-Indemal (Process of Healing) • عوارضات 'Awarizāt (Complications) 	2		4	2	8

	<ul style="list-style-type: none"> • اصول علاج Usool-i-'Ilāj (Principles of Treatment and Management). <p>7.1 جلدی پیوندکاری اور اسکے اقسام Jildi Pewandkari aur Uske Aqam (Skin Grafting and its Types)</p> <p>7.2 احیاء رطوبت Ahya-i- ratoobat (Fluid Resuscitation)</p> <p>7.3 حرقی جروح کی دیکھ بھال Harqi jurooh ki dekh bhal (Burn Wound Care)</p> <p>7.4 قطع خشک ریشہ Escharotomy (Qata-e-Khushk Resha)</p> <p>7.5 قطع لفافہ Fasciotomy (Qata-e-Lafafa)</p>					
8	<p>8 نمو جلدی و اورام NAMU SATAH-I-JILDI WA AURAM (SKIN GROWTH AND SWELLINGS)</p> <p>8.1 کیسہ Keesa (Cyst)</p> <ul style="list-style-type: none"> • تعریف Taa'reef (Definition) • درجہ بندی Darjabandi (Classification) • تشخیص Tashkhees (Diagnosis) • علاج Ilāj (Management) <p>8.2 عقدہ ظہری 'Uqda zahri (Dorsal Ganglion)</p> <p>8.3 سلعات Sal'āt (Tumours)</p> <ul style="list-style-type: none"> • درجہ بندی Darjabandi (Classification) • علامات و نشانیوں Alamāt wa Nishaniyan (Clinical Features) • اصول علاج Usool-i-'Ilāj (Principles of Treatment and Management) <p>8.4 متفرق مرضی تغییرات Mutafarriq Marzi Taghayyurat (Miscellaneous lesions)</p> <ul style="list-style-type: none"> • مسمار Mismār (Corn) 	2	17	6	4	8

	<ul style="list-style-type: none"> • ثولول Saulool (Warts) • ندبفرط النمو وندبيه Nadba-i-Mufrat-al-Namu wa Nadbiyah (Hypertrophic Scar and keloids) <p>8.5 قطع لحم الزائد Qata'-al-Lahm al Zaid (Excision of External Growth)</p> <p>8.6 FNAC, Bazl aur Masās الفيف اين اے سی، بزل اور مصاص کی عملی مشق Ki 'Amali Mashq (Observation/ Practical Training of FNAC, Tapping and Aspiration)</p> <p>8.7 قطع الثلیل Qata'-al-Thālil (Excision of Warts)</p>					
9	<p>9 امراض ثدین AMRĀZ-I-SADDYAIN (DISEASES OF THE BREAST)</p> <p>9.1 ثدین کی خلقی بد وضعیات Saddyain Ki Khalqi Bad Wazaeyan (Congenital Anomalies of Breast)</p> <p>9.2 التهاب الثدي Iltihab-i-Saddy (Mastitis)</p> <p>9.3 خراج الثدي Khuraj-i-Saddy (Breast Abscess)</p> <p>9.4 تسدی الذکور/تسدی الرجل Tasaddy-al-Zakoor/ Tasaddy-al-Rajul (Gynaecomastia/ Gynaecomazia)</p> <p>9.5 حمیدہ و خبیثہ Sal'āt-i-Saddy (Breast Tumours) Hameedah wa Khabeesah (Benign & Malignant)</p>	2		4	2	6
10	<p>10 ناکھوں کے عمومی امراض NAKHOON KE 'UMOOOMI AMRĀZ (COMMON DISEASES OF NAILS)</p> <p>10.1 داکس Dakhis (Paronychia)</p> <p>10.2 فطر الاظفار Futr-al-Azfār (Onychomycosis)</p> <p>10.3 تعقف الاظفار Ta'aqf-al-Azfār (Onychogryphosis)</p>	2		2	2	6

	<p>10.4 خفي الاظفار Khafi-al-Azfār (Onychocryptosis/ Unguis Incarnatus/ Ingrowing Toe Nail)</p> <p>10.5 اخراج ناخون Ikhraaj-i-Nakhoon (Nail Extraction)</p>					
11	<p>11 سيالات و نمکیات SAYYALĀT WA NAMKIYĀT (FLUIDS AND ELECTROLYTES)</p> <p>11.1 توازن سيالات و نمکیات Tawazun-i-Sayyalāt wa Namkiyāt (Fluids and Electrolyte Balance)</p> <p>11.2 توازن حمض و اساس Tawazun-i-Hamz wa Isaas (Acid-Base Balance)</p> <p>11.3 داخل الوريد سيال سے علاج Dakhil-ul-Vareed Sayyal se 'Ilāj (Intravenous Fluid Therapy)</p> <p>11.4 سيال ہجم Ittisa'-i- Sayyal-i-Hajam (Plasma Volume Expanders)</p> <p>11.5 غير معوي تغذيه Ghair Me'wi Taghziya (Parenteral Nutrition)</p> <p>11.6 معالجہ بذریعہ رطوبت معوي Mualijah bazarie Ratoobate Me'wi (Parenteral fluid therapy)</p>	2		6	3	6
12	<p>12 عمل تخدير AMAL-I-TAKHDEER (ANAESTHESIA)</p> <p>12.1 تاریخی پس منظر Tarikhi Pasmanzar (Historical Background)</p> <p>12.2 معائنہ قبل تخدير Mu'aina Qabl-i-Takhdeer (Pre-Anaesthetic Assessment) and استعمال ادویہ قبل تخدير Iste'maal-i- Advia Qabl-i-Takhdeer (Pre-Anaesthetic Medication)</p> <p>12.3 اقسام عمل تخدير Aqsām-i-'Amal-i-Takhdeer (Types of Anaesthesia)</p> <ul style="list-style-type: none"> عمل تخدير عمومی 'Amal-i-Takhdeer 'Umoomi (General Anaesthesia) 	3	30	11	7	15

	<ul style="list-style-type: none"> عمل تخدير اقليمى 'Amal-i-Takhdeer Aqlimi (Regional Anaesthesia) عمل تخدير نخاعى 'Amal-i-Takhdeer Nukhaee (Spinal Anaesthesia) عمل تخدير بيرون جانيه 'Amal-i-Takhdeer Bairoon i Jafiya (Epidural Anaesthesia) عمل تخدير مقامى 'Amal-i-Takhdeer Muqāmi (Local Anaesthesia) مندرجہ بالا عمل تخدير کے طريقہ کار، مستعمل ادویہ، افاديات و عوارضات اور انکا علاج Mundarja Bala 'Amal-i-Takhdeer ke Tariqa Kar, Musta'mil Advia, Ifadiyāt wa Awarizāt aur Unka 'Ilāj (Methods/ Procedures of Above Mentioned Types of Anaesthesia, Drugs /Anaesthetic Agents, Benefits, Complications and Management.) <p>12.4 احیاء اعمال قلب و ریه Ahya-i-Aa' mal-i-Qalb wa Riya (Cardio-Pulmonary Resuscitation)</p> <p>12.5 مصنوعى عمل تنفس Masnuei' 'Amal-i-Tanaffus (Artificial Respiration)</p> <p>12.6 معائنہ قبل تخدير Mu'aina Qabl-i-Takhdeer (Pre-Anaesthetic Assessment)</p> <p>12.7 بنيادى حياتى امداد Bunyadi Hayati Imdād (Basic Life Support)</p> <p>12.8 'Amal-i-Takhdeer ki Tauzeeh aur 'Amal-i-Takhdeer Muqami ki 'Amlī Mashq (Demonstration of Anaesthetic Procedures and Practical Training of Local Anaesthesia).</p>					
13	<p>13 علم العظام و مفاصل 'ILMUL 'IZĀM WA MAFASIL (ORTHOPAEDICS)</p> <p>13.1 تاريخى پس منظر Tarikhi Pasmanzar (Historical Background)</p>	3		11	6	16

	<p>13.2 تعریف Ta'reef (Definition), عمومی بیان 'Umoomi Bayan (General Description)</p> <p>13.3 کسر و خلع Kasr wa Khal' (Fracture and Dislocation)</p> <ul style="list-style-type: none"> • عمومی بیان 'Umoomi Bayan (General Description) • درجہ بندی Darjabandi (Classification) • علامات و نشانیان 'Alāmat wa Nishaniyan (Clinical Features) • عوارضات 'Awarizāt (Complications) • علاج 'Ilāj (Management) • اطراف کے کسر اور انکا علاج بالائی Balae Atrāf ke Kasoor aur Unka 'Ilāj (Fracture of Upper Limb and its Management) • کسر ترقوہ Kasr-i-Tarqua (Fracture of Clavicle) • کسر ععضد Kasr-i-Uzd (Fracture of Humerus) • کسر زندا علی و اسفل Kasr-i-Zanad-i-A'la wa Asfal (Fracture of Radius and Ulna) • اطراف کے کسر اور انکا علاج زیریں Zereen Atrāf ke Kasoor aur Unka Ilāj (Fractures of Lower Limb and its Management) • کسر عانہ Kasr-i-'Aana (Fracture of Pelvic Bone) • کسر عظم الفخذ Kasr-i-'Azam-ul-Fakhiz (Fracture of Femur) • کسر رصفہ Kasr-i-Razfa (Fracture of Patella) • کسر قصبہ کبری Kasr-i-Qasba-i-Kubra (Fracture of Tibia) • کسر قصبہ صغری Kasr-i-Qasba-i-Sughra (Fracture of Fibula) <p>13.4 خلع، جزوی خلع اور انکا علاج Khal', Juzwi Khal' Aur Unka 'Ilāj (Dislocation, Subluxation and their Management)</p> <ul style="list-style-type: none"> • خلع کے خلع بالائی اطراف کے خلع Balae Atrāf ke Khal' (Dislocation of Upper limb) • خلع کے خلع زیریں اطراف Zereen Atrāf ke Khal' (Dislocation of Lower limb) 					
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<p>13.5 امراض عظام و مفاصل Amrāz-i-'Izām wa Mafāsīl (Diseases of the Bones and Joints):</p> <ul style="list-style-type: none"> • التهاب مخ العظم اور اسکے اقسام Aqsām (Osteomyelitis and its Types) • صدیدی Sadidi (Pyogenic) • دقّی Diqqi (Tubercular) • تنگی Atshaki (Syphilitic) • التهاب مفاصل اور اسکے اقسام (Arthritis and its Types) • تدرن فقرہ Tadarrun-i-Fuqrah (Tuberculosis of Spine) <p>13.6 امراض استحالہ Amrāz-i-Istehala (Metabolic Diseases)</p> <ul style="list-style-type: none"> • کساح Kusāh (Rickets) • لين العظام Layyan-ul-'Izām (Osteomalacia) • نقرس Niqris (Gout) • فصل عظمی Fusāl-i-'Azmi (Osteoarthritis) • وجع المفاصل حداری Waja'-al-Mafasil Hudari (Rheumatoid Arthritis) • تنخل عظام Takhalkul-i-'Izam /Wahn-al-'Izām (Osteoporosis) <p>13.7 سلعات عظام Sal'āt-i-'Izām (Tumors of Bones)</p> <ul style="list-style-type: none"> • سلعات محمودہ Sal'āt-i-Mehmooda (Benign Tumors) • سلعات خبیثہ Sal'āt-i-Khabeesa (Malignant Tumors) <p>13.8 ضربہ السجہ لیتہ اور انکا علاج Zarb-i-Ansaja-i-Layyenah aur unka 'Ilāj (Soft Tissue Injuries and their Management)</p> <ul style="list-style-type: none"> • ضربہ عضلات Zarb-i-'Azlāt (Injury of Muscles) • وثیء Wasea (Sprain) <p>13.9 رباطات، اوطار و لفائف کے امراض، ضربات اور انکا عمومی بیان Rabatāt, Awtar wa Lafaf ke Amrāz, Zarbāt aur Unka 'Umoomi Bayan</p>					
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	(General Description of Diseases & Injuries of Muscles, Tendons, Ligaments and Fasciae).					
	13.10 رباط و جبیرہ کے بنیادی طریقے Ribāt aur Jabeera ke bunyadi tareeqe (Basic bandaging with simulator)					
	13.11 رباط و جبیرہ کا استعمال Ribāt aur Jabeera ka Istey'mal (Application of Bandages and Splints)					
	13.12 کسر و خلع اور انکا بنیادی معالجہ سائمولیٹر کی مدد سے Kasr wa Khal' aur Unka Bunyadi Moalijah simulator ki madad se (Basic fracture and dislocation management with the help of simulator)					
	Total	100	75	45	105	

Paper 2 (Ilmul Jarahat (Surgery) Paper II)

Sr.No	A2 List of Topics	B2 Term	C2 Marks	D2 Lecture hours	E2 NonLecture hours Theory	F2 NonLecture hours Practica I
14	<p>14 RA'S-O- 'UNUQ (HEAD & NECK) راس و عنق</p> <p>14.1 راس ظاہری اور باطنی ضربات Zāhiri aur Baatni Zarbat-i-Ra's (External and Internal injuries of head)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیصی فرقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>14.2 کسر عظام جمجمہ Kasr 'Izām-i-Jumjuma (Fracture of Skull bones)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) 	1	12	2	2	5

	<ul style="list-style-type: none"> • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>14.3 غوطر Ghautar (Goiter)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • درجہ بندی Darja Bandi (Classification) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>14.4 التهاب غدہ لفناوی Iltehāb Ghudda-i-Lymphawia (Lymphadenitis)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>14.5 راس کی اندرونی و بیرونی ضربات کا معائنہ Ra's Ki Andarūni aur Bairūni Zarbāt Ka Mu'aiina (Examination of External and Internal injuries of head)</p> <p>14.6 مختلف اورام عنق کا معائنہ Mukhtalif Awram-i-'Unuq ka Mu'aiina (Examination of different Neck Swellings)</p>					
15	15 جوف نم JAUF-I-FAM (ORAL CAVITY)	1		2	2	6

	<p>15.1 فرجہ شفه Farja-i-Shaffa (Cleft Lip)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقتہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>15.2 فرجہ حنکی Farja-i-Hanaki (Cleft Palate)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقتہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>15.3 ضفدع اللسان Ḍifda'-al-Lisān (Ranula)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقتہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>15.4 قصر اللسان Qaṣr-al-Lisān (Tongue Tie)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقتہ Tashkhīṣ Fāriqa (Differential Diagnosis) 					
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	<ul style="list-style-type: none"> • علاج 'Ilāj (Management) <p>15.5 تلیف تحت الششاء مخاطی Talayyuf Taht-al-Ghisha-i-Mukhati (Sub-mucosal Fibrosis)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقتہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>15.6 صداف لسان Sudāf-i-Lisān (Leukoplakia)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقتہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>15.7 جوف فم کے مختلف جراحی حالات کا معائنہ Jauf-i-fam ke Mukhtalif halat-i-jarahi ka Mu'aiina (Examination of different surgical conditions of oral cavity)</p> <p>15.8 تنیب رغامی کا مظاہرہ Tanbeeb-i- Rughami ka Muzahirah (Demonstration of Endo-tracheal Intubation)</p>					
16	<p>16 صدر SADR (THORAX)</p> <p>16.1 ظاہری اور باطنی ضربات صدر Zāhiri aur Baatni Zarat-i-Sadr (External and Internal injuries of thorax)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) 	1		2	2	5

	<ul style="list-style-type: none"> • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>16.2 تنقیح الصدر Taqayyuh-al-Ṣadr (Empyema Thoracis)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>16.3 صدر کی اندرونی و بیرونی ضربات کا معائنہ Sadr ki Andarūni wa Bairūni Zarbāt Ka Mu'aiina (Examination of external and internal injuries of thorax)</p> <p>16.4 صدر کی تصویر شعاعی کی تشریح Sadr ki Tasvīr-i-Shu'aai ki Tashrīh (Interpretation of chest x-ray)</p> <p>16.5 بزل الماء جنبی Bazl-al-Maa janbi (Pleural Paracentesis/ Pleural Tapping)</p>					
17	<p>17 مجبث المعده والامعاء MABHAS-AL-MI'DA WA AL-AM'Ā' (GASTRO ENTEROLOGY)</p> <p>17.1 مری Marī (Oesophagus)</p> <ul style="list-style-type: none"> • تشریح جراحی Tashrīḥ-i-Jarāhi (Surgical Anatomy) <p>17.1.1 مرض رجوع معدی مری Marz Rujoo' Medi Mari (GERD)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان Alāmāt wa Nishaniyan (Clinical Features) 	1	18	17	8	16

	<ul style="list-style-type: none"> • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>17.1.2 فواد ارتخاليه Fawad-i-Irtekhalīya (Achalasia Cardia / Cardiospasm)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانيان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>17.1.3 فرجه فتق الفتق حجاب حاجز Farja-i-Fatq /Fatq Hijab Hajiz (Hiatus Hernia)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانيان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>17.2 معده MI'DA (STOMACH)</p> <ul style="list-style-type: none"> • تشريح جراحي Tashrīḥ-i- Jarāḥi (Surgical Anatomy) <p>17.2.1 التهاب معده Iltehāb-i-Mi'da (Gastritis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانيان 'Alāmāt wa Nishaniyan (Clinical Features) 					
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	<ul style="list-style-type: none"> • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>17.2.2 قروح معدة و اثشاء عشرى Qurūḥ-i-Mi'da-wa-Ithnā 'Asharī (Gastric and Duodenal ulcer)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشائياں Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>17.2.3 سرطان معدة Saraṭān-i-Mi'da (Carcinoma of Stomach)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشائياں Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>17.3 الامعاء الدقيقة / امعاء صغيره Al-Am'ā' al-Diqāq / Am'ā-i-Sagheerā (Small Intestine)</p> <ul style="list-style-type: none"> • تشرح جراحی Tashrīḥ-i- Jarāḥi (Surgical Anatomy) <p>17.3.1 مرض كرون Marz-i-karoon (Crohn's Disease)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشائياں Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) 					
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	<ul style="list-style-type: none"> • علاج 'Ilāj (Management) <p>17.3.2 تدرن امعاء Tadarrun-i-Ama'a (Intestinal Tuberculosis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانيان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>17.3.3 سلعات امعاء Sal'at-i-Am'ā (Intestinal Tumours)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانيان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>17.4 امعاء كبير / الامعاء الغليظة Al-Am'ā' al-Ghilāz / Am'ā-i- kabeera (Large Intestine)</p> <ul style="list-style-type: none"> • تشريح جراحي Tashrīḥ-i-Jarāḥi (Surgical Anatomy) <p>17.4.1 التهاب قولون تقرحي Iltehāb-i-Qauloon Taqarruhi (Ulcerative Colitis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانيان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) 					
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	<p>17.5 انسداد امعاء Insidād-i-Am'ā' (Intestinal Obstruction)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • درجہ بندی Darja Bandi (Classification) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فاروقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>17.5.1 انفصال سینگی Infetāl-i-Seeni (Sigmoid Volvulus)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فاروقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>17.5.2 انغلاف معوی Inghilaf-i-Mewi (Intussusception)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فاروقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>17.6 زائده اعور ZAYEDA A'WAR (APPENDIX)</p> <ul style="list-style-type: none"> • تشریح جراحی Tashrīḥ-i- Jarāḥi (Surgical Anatomy) <p>17.6.1 التهاب زائده اعور Ilteḥāb-i- Zayeda A'war (Appendicitis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) 					
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	<ul style="list-style-type: none"> • علامات و نشانیوں 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیصی فرقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>17.6.2 كتلا زائدي Katla-i-Zāyedi (Appendicular Mass)</p> <p>17.6.3 دبیله زائدي اعور Dubaila Zāyedi A'war (Appendicular Abscess)</p> <p>17.7 مندرجہ ذیل تفاتیس کی عام معلومات Mandarja Zael Tafatīsh Ki 'Aam M'alumāt (General introduction of the following Investigative Procedures)</p> <ul style="list-style-type: none"> • تصویر شعاعی بطن کی Batn ki Tasvīr-i-Shu'aai (x-ray abdomen) • فایق الصوت بطنی Faeq-al-Saut Batni (USG abdomen) • بطن کا سی ٹی اسکین Batn ka CT scan (CT scan of abdomen) • تصویر رنن ماگناٹسی Tasveer-i-Renan Maqnatīsi (MRI abdomen) <p>17.8 انبوب رائل کے ادخال کا مظاہرہ Ambub-Ryle ke Idkhāl ka Muzahirah (Demonstration of Ryle's tube insertion)</p> <p>17.9 بذل الماء البطني Bazl-al-Maa Batni (Abdominal Paracentesis)</p> <p>17.10 قطع زائده اعور کا مشاہدہ 'Zayeda A'war ki taqti ka Mushahida (Observation of Appendicectomy)</p>					
18	<p>18 MAQ'AD-WA-QANĀT-I-MABRAZ (RECTUM AND ANAL CANAL)</p> <ul style="list-style-type: none"> • تشریح جراحی Tashrīḥ-i-Jarāḥi (Surgical Anatomy) <p>18.1 شقاق المقعد Shiqaq-al-Maq'ad (Fissure in Ano)</p>	2	23	11	6	14

	<ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigation) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>18.2 ناسور مقعد Nasūr-i-Maq'ad (Fistula-in-Ano)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigation) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>18.3 جیب شعری Jaib-i-sh'ari (Pilonidal Sinus)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigation) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>18.4 بواسیر مقعد Bawāsīr-i-Maq'ad (Haemorrhoid)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigation) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) 					
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	<ul style="list-style-type: none"> • علاج 'Ilāj (Management) <p>18.5 مستقيم ثولول معاء مستقيم Saulool Ma'y-i-Mustaqīm (Rectal Polyps)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشائياں 'Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>18.6 خروج مقعد Khurūj-i-Maq'ad (Rectal Prolapse)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشائياں 'Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigation) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>18.7 خراج مبرزی مستقيمي Khuraj'-i-Mabrazi Mustaqīmi (Anorectal Abscess)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشائياں 'Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigation) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>18.8 سرطان مقعد Saraṭān-i-Maq'ad (Carcinoma of Rectum)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Defintion) • اسباب Asbāb (Aetiology) • علامات و نشائياں 'Alāmāt wa Nishaniyan (Clinical Features) 					
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	<ul style="list-style-type: none"> • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigation) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>18.9 معائنہ براہ مقعد Mu'aiina-i-Barah-i-Maqad (Per Rectal Examination)</p> <p>18.10 توسیع مقعد کا مشاہدہ Tausee'-i-Maq'ad ka Mushahida (Observation of Anal Dilatation)</p> <p>18.11 قطع بواسیر کا مشاہدہ (Observation of Haemorrhoidectomy)</p> <p>18.12 تزم البواسیر کا مشاہدہ Hazm-al-Bawasīr ka Mushahida (Observation of Ligation of Haemorrhoids/ Barron's Banding)</p> <p>18.13 قطع نواسیر کا مشاہدہ Qata'-i-Nawasīr ka Mushahida (Observation of Fistulectomy)</p> <p>18.14 قطر شقاق المقعد کا مشاہدہ Qatar'-i-Shiqaq-al-Maqa'd ka Mushahida (Observation of Fissurectomy)</p> <p>18.15 خزاع انسجہ کا مشاہدہ Khaza'-i-Ansaja ka Mushahida (Observation of Tissue Biopsy)</p> <p>18.16 خیط فی الناصور/ عمل خزام کا مشاہدہ Khait-fi-al-Nasoor ka Mushahida/ Amal-i-Khuzām (Observation of placement of thread in Fistulous tract / Seton therapy)</p>					
19	<p>19 باریطون BĀRITŪN (PERITONEUM)</p> <p>19.1 التهاب باریطون Iltehāb-i-Bāritūn (Peritonitis)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigation) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) 	2	2	1	4	

	<ul style="list-style-type: none"> • علاج 'Ilāj (Management) 				
20	<p>20 KABID WA MARARA (LIVER AND GALL BLADDER) كبد و مراره</p> <ul style="list-style-type: none"> • تشریح جراحی Tashrīḥ-i- Jarāḥi (Surgical Anatomy) <p>20.1 دبیله کبد Dubaila-i-Kabid (Liver Abscess)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>20.2 التهاب المراره Ilteḥāb-i- Marāra (Cholecystitis)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>20.3 حصاة مراره Hasāt-i-Marāra (Cholelithiasis)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) 	2	6	4	4

<p>20.4 حصاة مجراء مراره مشترك Hasāt-i-Majra-i-Marāra-Mushtarak (Choledocholithiasis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات ونشائياں Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>20.5 مراره صديدي Marāra-i-Sadeedi (Empyema Gallbladder)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات ونشائياں Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>20.6 قيله مخاطيه مراري Qeela-i-Mukhatiya Marāri (Mucocoele of the Gallbladder)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات ونشائياں Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>20.7 دواليه مري Dawaliya-i-Mari (Oesophageal Varices)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات ونشائياں Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) 					
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	<ul style="list-style-type: none"> تشخیصِ فارقتہ Tashkhīṣ Fāriqa (Differential Diagnosis) علاج 'Ilāj (Management) 					
21	<p>21 بانقراس BANQARĀS (PANCREAS)</p> <ul style="list-style-type: none"> تشریحِ جراحی Tashrīḥ-i- Jarāḥi (Surgical Anatomy) <p>21.1 التهابِ بانقراس Iltehāb-i-Banqarās (Pancreatitis)</p> <ul style="list-style-type: none"> تعریف Tā'rīf (Definition) اسباب Asbāb (Aetiology) علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) تفتیشِ مطلوبہ Taftīsh Maṭlūba (Investigations) تشخیصِ فارقتہ Tashkhīṣ Fāriqa (Differential Diagnosis) علاج 'Ilāj (Management) <p>21.2 سرطانِ بانقراس Saraṭān-i-Banqarās (Carcinoma of Pancreas)</p> <ul style="list-style-type: none"> تعریف Tā'rīf (Definition) اسباب Asbāb (Aetiology) علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) تفتیشِ مطلوبہ Taftīsh Maṭlūba (Investigations) تشخیصِ فارقتہ Tashkhīṣ Fāriqa (Differential Diagnosis) علاج 'Ilāj (Management) <p>21.3 کم از کم دس مریضوں کی روداد مرض Ki Rudad-i-Marz (History taking of at least 10 cases)</p> <p>21.4 مختلف نظامہائے بدن کے امراض کا تعارف Mukhtalif Nizam-i-Badn Ke Amraz Ka Tā'ruf (Case Presentation of diseases related to different systems)</p>	2	17	3	2	8
22	<p>22 طحال TIHĀL (SPLEEN)</p> <ul style="list-style-type: none"> تشریحِ جراحی Tashrīḥ-i- Jarāḥi (Surgical Anatomy) 	2		3	2	4

	<p>22.1 ضرب طحال Zarb-i-Tihāl (Injury of Spleen)</p> <ul style="list-style-type: none"> • تعریف Tā'rif (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>22.2 قطع طحال کے مواقع Qat'a -i-Tihāl ke Mawaqe (Indications of Splenectomy)</p> <p>22.3 علم الجراحات کی مشق میں آلات جراحیہ کا استعمال Mashq Mein Aalat-i- Jarahiyah ka Isteymal (Surgical Instruments and their application in Surgical practice)</p>					
23	<p>23 دیافراگما DIAPHRAGHMA (DIAPHRAGM)</p> <ul style="list-style-type: none"> • تشریح جراحی Tashrīḥ-i- Jarāḥi (Surgical Anatomy) <p>23.1 دیافراگما تحت دہلیہ Dubaila-i-Tehtal Diapharghma (Subphrenic Abscess)</p> <ul style="list-style-type: none"> • تعریف Tā'rif (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>23.2 اشیاء خیاطت کی شناخت Ashya-i- Khayatāt ki shanakht (Identification of Suture Materials)</p> <p>23.3 طریقہ خیاطت کا مظاہرہ Tareeqa-i-Khayatat ka Muzahirah (Demonstration of Suturing Techniques)</p>	2	2	1	4	
24	24 فتق FATQ (HERNIA)	2	3	2	4	

	<p>24.1 عمومی بیان Umūmi Bayan (General Description)</p> <ul style="list-style-type: none"> • تعریف Ta'arīf (Definition) • عام درجہ بندی 'Aam Darjabandi (General Classification) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • عوارضات Awarizat (Complications) <p>24.2 فتنق قناتہ اربی Fatq Qana'at-i-Urbi (Inguinal Hernia)</p> <ul style="list-style-type: none"> • تشریح جراحی Tashrīḥ-i- Jarāḥi (Surgical anatomy) • تعریف Tā'rīf (Definition) • درجہ بندی Darjabandi (Classification) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقتہ Tashkhīṣ Fāriqa (Differential Diagnosis) • عوارضات Awarizat (Complications) • علاج Ilāj (Management) 					
25	<p>25 بحث کوی بولی MABHAS-I- KULWI BAULI (NEPHRO UROLOGY)</p> <p>25.1 امراض کلیہ AMRĀZ-I-KULIYA (DISEASES OF KIDNEY)</p> <ul style="list-style-type: none"> • تشریح جراحی Tashrīḥ-i- Jarāḥi (Surgical Anatomy) <p>25.1.1 کلیہ کی خلقی بد وضعیاں Kuliya ki Khalqi bad waziian (Congenital anomalies of kidney)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقتہ Tashkhīṣ Fāriqa (Differential Diagnosis) 	3	30	11	8	15

	<ul style="list-style-type: none"> • علاج 'Ilāj (Management) <p>25.1.2 ضربات کلیه Zarbāt-i-Kuliya (Injuries of kidney)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>25.1.3 حصاة کلیه Hasāt-i-Kuliya (Renal Calculi)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>25.1.4 اکیاس کلیه Akyās-i-Kuliya (Polycystic Kidney)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>25.1.5 ماء الکلیه Mā'ul Kuliya (Hydronephrosis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) 					
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	<ul style="list-style-type: none"> • علاج 'Ilāj (Management) <p>25.1.6 التهاب کلیه و حوض کلیه Iltehāb-i-Kuliya wa Hauz-i-Kuliya (Pyelonephritis)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>25.1.7 تدرن کلیه Tadarrun-i-Kuliya (Tuberculosis of the Kidney)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>25.2 امراض حالبین AMRĀZ-I-HALIBAIN (DISEASES OF URETER)</p> <p>25.2.1 حصاة حالبین Hasāt-i-halibain (Ureteric Calculi)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) 					
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	<ul style="list-style-type: none"> • علاج 'Ilāj (Management) <p>25.3 امراض مثانه AMRĀZ-I-MASANA (DISEASES OF URINARY BLADDER)</p> <ul style="list-style-type: none"> • تشریح جراحی Tashrīḥ-i- Jarāḥi (Surgical Anatomy) <p>25.3.1 التهاب مثانه Iltehāb-i-Masana (Cystitis)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>25.3.2 اعوجاج مثانه E'vijāj-i-Masana (Diverticulum of Urinary bladder)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>25.3.3 حصاة مثانه Hasāt-i-Masana (Vesical Calculi)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) 					
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<p>25.3.4 سلعات مثانه Sal'at-i-Masana (Tumours of Urinary Bladder)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>25.4 امراض مجری بول AMRĀZ-I-MAJRA-I-BAUL (DISEASES OF URETHRA)</p> <ul style="list-style-type: none"> • تشریح جراحی Tashrīḥ-i- Jarāḥi (Surgical Anatomy) <p>25.4.1 التهاب مجری بول lItehāb-i-Majra-i-Baul (Urethritis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>25.4.2 تضیق مجری بول Tazayyuq Majra-i-Baul (Urethral stricture)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) 					
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	<p>25.4.3 احليل تحتانی Ehleel-i-Tehtāni (Hypospadias)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>25.4.4 احليل فوتانی Ehleel-i-fauqāni (Epispadias)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج 'Ilāj (Management) <p>25.5 عمل قاتاطیر کا مظاہرہ Amal-i-Qasatīr ka Muzahirah (Demonstration of Catheterization in male and female)</p> <p>25.6 توسیع احليل کا مشاہدہ Tausee'-i-Ahleeli ka Mushahida (Observation of Urethral Dilatation)</p>					
26	<p>26 نظام تناسلی NIZAAM-I-TANAASULI (GENITAL SYSTEM)</p> <p>26.1 تضیق غلفہ Tazayyuq-i-Ghulfa (Phimosis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں 'Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) 	3		11	5	16

	<ul style="list-style-type: none"> • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>26.2 اختناق غلفه Ikhtinaque-i-Ghulfa (Paraphimosis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانيان Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>26.3 التهاب حشفه و غلفه Iltehāb-i- Hashfa wa Ghulfa (Balanoposthitis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانيان Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>26.4 التهاب خصيه و انديدوس Iltehāb-i-Khusya wa Aghdeedoos (Epididymo-orchitis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانيان Alāmāt wa Nishaniyan (Clinical Features) • تفتيش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخيص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>26.5 قيلهء مائيه Qeela-i-Māiyah (Hydrocele)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) 					
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	<ul style="list-style-type: none"> • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>26.6 قیلہء دمویہ Qeela-i-Damviyah (Haematocele)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>26.7 دوالی صفن Dawali-i-Saf'n (Varicocele)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>26.8 خلیق کی خللی بد وضعیاں Khusyon ki Khalqi Badwaziain (Congenital Anomalies of Testes)</p> <ul style="list-style-type: none"> • تعریف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیوں Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبہ Taftīsh Maṭlūba (Investigations) • تشخیص فارقہ Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) 					
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	<p>26.9 التهاب غده مذی Iltehāb-i-Ghudda-i-Mazi (Prostatitis)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>26.10 عظم غده مذی حمیدہ 'Izam Ghudda-i-Mazi Hameeda (Benign Enlargement of Prostate)</p> <ul style="list-style-type: none"> • تعريف Tā'rīf (Definition) • اسباب Asbāb (Aetiology) • علامات و نشانیان Alāmāt wa Nishaniyan (Clinical Features) • تفتیش مطلوبه Taftīsh Maṭlūba (Investigations) • تشخیص فارقه Tashkhīṣ Fāriqa (Differential Diagnosis) • علاج Ilāj (Management) <p>26.11 تطہیر الصیدان/ختنہ کا مشاہدہ Tatheer-al-Sibyan/ Khatna ka Mushahida (Observation of Circumcision)</p> <p>26.12 جراحت قبیلہ مانیہ کا مشاہدہ Jarahat-i-Qeela-i-Maiyya ka Mushahida (Observation of Operation of Hydrocele)</p> <p>26.13 معائنہ غده مذی کا معائنہ Ghudda-i-Mazi Ka Mu'aiina (Examination of Prostate gland)</p>					
	Total		100	75	45	105
	Grand Total		200	150	90	210

Table 3 : Learning objectives of Course

Paper 1 (Ilmul Jarahat (Surgery) Paper I)										
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	J3 Integratio n	K3 Type
Topic 1 تعارف اور تاریخی پس منظر TA'RUF AUR TAREEKHI PAS MANZAR (INTRODUCTION AND HISTORICAL BACKGROUND) (LH : 2, NLHT: 2, NLHP: 8 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1	Define Scope and Importance of Surgery. (Ilm-ul-Jarahat ki Ahmiyat aur Imkanāt bayan karen)	CK	MK	K	L&PPT , L_VVC	PP-Practical	F&S	1	V-TT	LH
CO1	Discuss contributions of Unani scholars in the field of Ilm-ul-Jarahat (Jarahat ke maidān mein Unani atibba ki aham khidmāt ka mubahisa).	CC	DK	K	LS, EDU, DIS, L_VVC	QZ , M-CHT, DEB, P- EXAM, P- VIVA	F&S	1	-	NLHT1.1
CO1, CO4	Demonstrate, Identify and explain the uses of surgical Instruments (Aalāt Jarahiyah ki shinakht aur Ist'eymalat ki tauzeeh wa wazahat ki jae).	CC	MK	SH	TBL, D, DIS	P-POS, P- VIVA, P- EXAM	F&S	1	-	NLHP1.1
CO1, CO4	Enlist and compare Ancient and Recent Instruments (Qadeem wa Jadeed Aalāt jarahiya ki Mukammal Fehrist aur unka mawazna kia jae)	CAN	MK	KH	D, DIS, TBL, PT	P-EXAM, P- POS, P-VIVA	F&S	1	-	NLHP1.2
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								

NLHT1.1	Contributions of Unani scholars in the field of Ilm-ul-Jarahat (Jarahat ke maidān mein Unani atibba ki aham khidmāt)	<p>L_VC, DIS, EDU, LS (2 hours)</p> <p>The Students are divided into groups and assigned a collection of images and information regarding Unani scholars. This can be done using online videos and library sessions. then the teacher will encourage students to ask questions and resolve queries.</p>
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP1.1	Uses of surgical Instruments (Aalāt Jarahiyah ke Ist'eymalat)	<p>DIS, TBL, D (4 hours)</p> <p>The teacher will demonstrate instruments and explain their purpose and why it is used in surgery. Mention specific features, such as how it's designed for precision, ease of use, and proper handling. (2 hours)</p> <p>Students are divided into groups and then they discuss and demonstrate among themselves. (2 hours)</p>
NLHP1.2	Ancient and Recent Instruments (Qadeem wa Jadeed Aalāt jarahiya)	<p>DIS, TBL, PT, D (4 hours)</p> <p>The Students are assigned a collection of images or replicas of ancient and modern surgical instruments. The teacher will demonstrate their use and evolution over time. This can be done using online tools or physically if the institute has access to such items. (2 hours)</p> <p>The Students are divided into groups. Students in the group will identify and discuss similarities and differences between them. (2 hours)</p>
Topic 2 جروح و قروح JUROOH WA QUROOH (WOUNDS AND ULCERS) (LH : 4, NLHT: 2, NLHP: 8 hours)		

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO5	Explain Wound its Classification, Aetiology, Clinical Features and Principles of Management (Jurooh ki Darjabandi, Asbab, Alamāt wa Nishaniyan aur Usool-i- Tashkhees wa 'Ilāj ko bayan karein).	CC	MK	KH	L, L_VC	PP-Practical	F&S	1	-	LH
CO2, CO5	Explain Ulcers its Classification, Aetiology, Clinical Features and Principles of Management (Qurooh ki Darjabandi, Asbab, Alamāt wa Nishaniyan aur Usool-i-Tashkhees wa 'Ilāj ko bayan karein)	CC	MK	KH	L&PPT, L_VC	PP-Practical	F&S	1	-	LH
CO2, CO5	Discuss the clinical presentation of Wounds and Ulcers (Jurooh wa Qurooh ki sareerei peshkash ka mubahisah kia jae).	CAP	MK	KH	TBL, DIS, EDU	PP-Practical, VV-Viva	F&S	1	-	NLHT2.1
CO2, CO5	Observe and name the methods of treatment of wounds and ulcers (Jurooh wa Qurooh ke Tareeqa-i-'Ilāj ka mushahida kia jae)	CAP	MK	KH	DIS, L_VC, PT, CBL, D	P-VIVA, P-EXAM	F&S	1	-	NLHP2.1
CO2, CO5	Perform the appropriate steps of Basic wound care on wound care simulator (Simulator par Jurooh ki bunyadi dekh bhal ke munasib iqdamāt ka muzahira kia jae).	CAP	DK	SH	D, CBL, SIM, D-BED, D-M	P-EXAM, P-VIVA	F&S	1	-	NLHP2.2

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
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NLHT2.1	Clinical presentation of Wounds and Ulcers (Jurooh wa Qurooh ki sareerei peshkash)	<p>DIS, TBL, EDU (2 hours)</p> <p>The teacher will create a quiz where participants classify different types of wounds and ulcers (e.g., arterial, venous, pressure ulcers, diabetic foot ulcers, etc.) based on brief clinical descriptions or images. (1 hour)</p> <p>The teacher will divide students into groups and they will do a discussion regarding the clinical presentation of wounds and ulcers. (1 hour)</p>
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP2.1	Methods of treatment of wounds and ulcers (Jurooh wa Qurooh ka Tareeqa-i-'Ilāḥī)	<p>L_VC, DIS, CBL, PT, D (4 hours)</p> <p>The teacher will demonstrate the examination of ulcers and their treatment first with videos, then on a model or patient. (2 hours)</p> <p>Later students will revise the same on model or patient and present the case with detailed examination and suggest treatment methods.</p> <p>(2 hours)</p>
NLHP2.2	Appropriate steps of Basic wound care (Jurooh ki Bunyadi dekh bhal ke munasib iqdamāt)	<p>CBL, SIM, D, D-M, D_BED (4 hours)</p> <p>The teacher will demonstrate the steps of Basic wound care on model, simulator or patient. (2 hours)</p> <p>Then teacher will assign the task to each student and they will revise the steps on model, simulator or patient. (2 hours)</p>

Topic 3 تَعْدِيَة TA'DIYA (INFECTION) (LH : 7, NLHT: 3, NLHP: 5 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO5	Explain General Infection and the terms Bacteraemia, Septicaemia, Toxaemia, Pyaemia (Ta'diya Umoomi, Jaraseem-al-Dam, Ta'ffun-al-Dam, Tasammum-al-Dam, Taqayyuh-al-Dam ko bayan karein)	CC	MK	KH	L&PPT , L	PP-Practical, M-CHT	F&S	1	-	LH
CO2, CO5	Explain Nonspecific Infections and Definition, Classification, Aetiology, Clinical Features ,Principles of Treatment and Management of Cellulitis, Boils/ Furuncle, Carbuncle, Erysipelas and Anthrax (Ghair Nau'vi Ta'diya bayan karein aur Illitihab-i-Khulvi, Basoor /Dummal, Shab-i-Charagh, Humrah aur Jumra ki Taa'reef, Darjabandi, Asbab, 'Alamāt wa Nishaniyan aur Usool-i-'Ilāj ki wazahat karein)	CC	MK	KH	L&PPT , L	M-POS, PP- Practical	F&S	1	-	LH
CO2, CO5	Explain Specific Infections and Definition, Classification, Aetiology, Clinical Features and Principles of Treatment and Management of Gonorrhoea, Syphilis, Tuberculosis, Tetanus and Leprosy. (Nau'vi Ta'diya ko bayan karein aur Sozāk, Aatshak, Diq, Kuzāz aur Juzām ki Taa'reef, Darjabandi, Asbab, 'Alamāt wa Nishaniyan aur Usool-i-'Ilāj ki wazahat karein)	CC	MK	KH	L, L&PPT	M-CHT, PP- Practical	F&S	1	-	LH
CO2, CO5	Explain Parasitic Diseases and Definition, Classification, Clinical Features, Principles of Treatment and Management of Hydatid Cyst of Liver and Filariasis (Amrāz-i-Tufaili ko bayan karein aur Keesa-i-'Udariyah Kabidi aur Da-al-Feel ki Taa'reef	CC	MK	KH	L, L&PPT	PP-Practical	F&S	1	-	LH

	Darjabandi, 'Alamāt wa Nishaniyan aur Usool-i-'Ilāj ki wazahat karein)									
CO4, CO7	Describe Methods of sterilization ('Amal-i-Tatheer ke Tareeqon ka bayan kia jae).	CC	DK	KH	L_VC, W, D	DOPS, PP-Practical, VV-Viva, DOPS, M-POS	F&S	1	-	NLHT3.1
CO1, CO4	Identify and select Methods of sterilization ('Amal-i-Tatheer ke tareeqon ki pehchan aur intekhab).	PSY-GUD	MK	SH	L_VC, D, PT, TBL	PP-Practical, DOAP, P-EXAM, VV-Viva	F&S	1	-	NLHP3.1
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT3.1	Methods of sterilization ('Amal-i-Tatheer ke Tareeqe)	<p>L_VC, W, D (3 hours)</p> <p>The Teacher will display the methods and steps of sterilization in OT or Lab by organizing a workshop with OT experts (1 hour)</p> <p>Then students will repeat the same and the teacher will assess them by DOPS. (2 hours)</p>								
Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
NLHP3.1	Methods of sterilization and their appropriate selection (Amal-i-Tatheer ke tareeqe aur unka munasib intekhab)	L_VC, TBL, PT, D (5 hours)								

		<p>The Teacher will describe different sterilization methods used in OT. Instruments and linen will be grouped as per their sterilization methods and students will observe. (2 hours)</p> <p>The students will be divided into small groups and provided with the products to be sterilized. The Teacher will ask them to select the most appropriate sterilization method. (3 hours)</p>
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Topic 4 **خراج اور اسکے اقسام KHURĀJ AUR USKE AQSĀM (ABSCESS AND ITS TYPES), ناسور مجری اور MAJRA AUR NASOOR (SINUS AND FISTULA), غانغرنا GHANGHARANA (GANGRENE)**
(LH : 5, NLHT: 4, NLHP: 5 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO5	Describe Abscess and its Classification and also Definition, Aetiology, Clinical Features and Principles of Treatment and Management of Pyogenic Abscess, Pyaemic Abscess and Cold Abscess (Khurāj aur uski ki Darjabandi ko bayan karein aur Khurāj-i-Qeehi, Khurāj-i-Qaihumi aur Khurāj-i-Barid ki Ta'reef, Asbab, Alamāt wa Nishaniyan aur Usool-i-'Ilāj ki wazahat karein)	CC	MK	KH	L&PPT , L_VC, L	PP-Practical, T-CS	F&S	1	-	LH
CO2, CO5	Explain Sinus and Fistula its Definition, Classification, Aetiology, Clinical Features and Principles of Treatment and Management (Majra aur Nasoor ki Ta'reef, Darjabandi, Asbab, 'Alamāt wa Nishaniyan aur Usool-i-'Ilāj bayan karein)	CC	MK	KH	L, L_VC, L&PPT	T-CS, M-CHT	F&S	1	-	LH
CO2, CO5	Explain Classification, Aetiology, Clinical Features, Principles of Treatment and Management of Gangrene (Ghangharana ki Darjabandi, Asbab, 'Alamāt wa Nishaniyan aur Usool-i-'Ilāj ko bayan karein)	CE	MK	KH	L_VC, L&PPT , L	M-CHT, PP- Practical	F&S	1	-	LH

CO2, CO5	Discuss the clinical presentation of different types of abscess, Identify indications for surgical intervention in abscess management (Khuraj ke mukhtalif aqsaam ka sareeri ta'rruf pesh karein aur uske 'Ilaj mein jarahi madakhlat ke mawaqe' ki nishandahi karein)	CAN	DK	KH	FC, L_VC, DIS	M-POS, VV- Viva, PP- Practical	F&S	1	-	NLHT4.1
CO2, CO5	Demonstrate the technique of Incision and Drainage of Abscess at different sites on simulator (Mukhtalif muqamat ke Khurāj mein shigaf dene ke tareeqon ka mushahida kia jae)	PSY-GUD	MK	SH	SIM, L_VC, CBL, D	P-POS, P-VIVA, P-EXAM	F&S	1	-	NLHP4.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT4.1	Clinical presentation of different types of abscess (Khuraj ke mukhtalif aqsaam ka sareeri ta'rruf)	<p>L_VC, DIS,FC (4 hours)</p> <p>Students will watch videos or access other resources to learn the content before class. (2 hours)</p> <p>In class, students will apply the content they learned through activities such as group discussions. The teacher will encourage students to collaborate, ask questions, and engage in critical thinking. (2 hours)</p>

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP4.1	Incision and Drainage of Abscess (Khurāj mein shigaf dene ka tareeqa)	L_VC, D,CBL, SIM (5 hours)

		<p>The teacher can demonstrate procedures through video clips. Students will also visit the Operation Theater (OT) to observe part preparation and various incision techniques for abscess drainage. (3 hours)</p> <p>The students will practice these techniques on Simulator. (2 hours)</p>								
Topic 5 امراض شرايين واورده AMRĀZ-I-SHARAIN WA AURDA (DISEASES OF ARTERIES AND VEINS) (LH : 5, NLHT: 3, NLHP: 6 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO5	Explain Varicose Veins of the Lower Limbs, its Surgical anatomy, Definition, Aetiology, Clinical Features, Investigations, Differential Diagnosis and Treatment/ Management (Dawali zerein atraf , uski Tashrīḥ-i-Jarāḥi, Taa'reef, Asbāb, 'Alāmat wa nishaniyan, Taftesh Matlooba, Tashkhīṣ Fāriqa aur Ilāj ko bayan karein)	CC	MK	KH	L&PPT	PP-Practical, T-CS, PRN	F&S	1	V-TB	LH
CO2, CO5	Explain Raynaud's Disease its Definition, Aetiology, Clinical Features, Investigations, Differential Diagnosis and Treatment/ Management (Marz-i-Raynaud ki Taa'reef, Asbāb, 'Alāmat wa nishaniyan, Taftesh Matlooba, Tashkhīṣ Fāriqa aur Ilāj bayan karein)	CC	MK	KH	L&PPT	T-CS, PP-Practical	F&S	1	-	LH
CO2, CO5	Explain Buerger's Disease its Definition, Aetiology, Clinical Features, Investigations, Differential Diagnosis and Treatment/ Management (Marz-i-Buerger ki Taa'reef Asbāb, 'Alāmat wa nishaniyan, Taftesh Matlooba, Tashkhīṣ Fāriqa aur Ilāj ko bayan karein)	CC	MK	KH	L&PPT	PP-Practical, PRN	F&S	1	-	LH

CO2, CO5	Discuss the clinical presentation of Varicose veins of the lower limbs, Raynaud's disease and Buerger's disease (Dawali zerein atraf, Marz-i-Raynaud aur Marz-i-Buerger ka sareeri ta'rruf pesh karein)	CC	DK	KH	RP, FC, D	P-EXAM, P-VIVA	F&S	1	-	NLHT5.1
CO1, CO2, CO6, CO7	Perform the following Para Surgical Procedures (Mundarja Zael Mueen-i-Jarahat Tareeqey aur unki Mashq ki jae) <ul style="list-style-type: none"> • Cauterization ('Amal-i-Kayee) • Venesection ('Amal-i- Fasd) • Wet Cupping (Hijama-bil-Shart) • Leech Application (Irsaal-i-Alaq) • Sitz bath (Aabzan) • Enema (Huqna) 	PSY-GUD	MK	SH	D-M, D, SIM, CBL	P-EXAM, P-VIVA	F&S	1	-	NLHP5.1
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT5.1	Clinical presentation of Varicose veins of the lower limbs, Raynaud's disease and Buerger's disease (Dawali zerein atraf, Marz-i-Raynaud aur Marz-i-Buerger ka sareeri ta'rruf)	<p>FC, RP, D (3 hours)</p> <p>Students will watch videos and access online content or library resources before class. (2 hours)</p> <p>Then, the teacher will divide the students into groups, encouraging them to discuss the clinical presentation of diseases, ask questions among themselves, and seek clarification from the teacher to deepen their understanding of the diseases. (1 hour)</p>								

Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
NLHP5.1	Para surgical procedures (Mueen-i-Jarahat Tareeqey)	<p>CBL, D-M, SIM, D (6 hours)</p> <p>The teacher will demonstrate how to select patients for para-surgical procedures by taking a thorough medical history. (1 hour)</p> <p>Then, the teacher will display the methods for each procedure to the students. If patients are unavailable, the procedure will be demonstrated on a model or simulator. (2 hours)</p> <p>Afterwards, students will be divided into groups to practice and revise the procedures on patients, models, or simulators, while the teacher conducts Direct Observation of Procedural Skills (DOPS). (3 hours)</p>								
Topic 6 صدمة SADMAH (SHOCK), جريان الدم انزف الدم JIRYĀN-AL-DAM/ NAZF-AL-DAM (HAEMORRHAGE), انتقال الدم INTIQAL-AL-DAM (BLOOD TRANSFUSION), انتقال اجزاء الدم INTEQAL-I-AJZA-I-DAM (TRANSFUSION OF FRACTIONS OF BLOOD) (LH : 8, NLHT: 5, NLHP: 8 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO5	Explain Shock, its Classification, Aetiology, Clinical Features, Complications, Principles of Treatment and Management (Sadmah, uski Darjabandi, Asbab, 'Alamāt wa Nishaniyan, 'Awarizāt aur Usool-i-'Ilāj ko bayan karein)	CE	MK	KH	L&PPT	M-CHT, PP-Practical	F&S	2	-	LH
CO2, CO5	Explain Haemorrhage its Classification, Aetiology, Clinical Features, Complications, Principles of Treatment and Management (Jiryān-al-Dam/ Nazf-al-Dam ki Darjabandi,	CE	MK	KH	L, L&PPT	PP-Practical, VV-Viva	F&S	2	-	LH

	Asbab, 'Alamāt wa Nishaniyan, Awarizāt aur Usool-i-'Ilāj' ko bayan karein)									
CO2, CO5	Explain Blood Transfusion its Indications, Contraindications, Collection, Methods of Transfusion, Complications and its Management (Intiqal-al-Dam, uske Mawaqey' Istey'mal, Mawaney' Istey'mal, Ijtima', Tareeqa-i-Inteqal, 'Awarizāt aur unka 'Ilaaj bayan karein)	CAN	MK	KH	L&PPT, L_VC	PRN, PP-Practical, M-CHT	F&S	2	-	LH
CO2, CO5	Enlist and compare different fractions of Blood and the indications of Blood transfusion (Khoon ke mukhtalif ajza ke mabeen tafreeq karte hue inteqal al dam ke mawaqey' iste'mal bayan karein)	CAN	DK	KH	TBL, D, PT, DL	M-CHT, PP-Practical, VV-Viva	F&S	2	-	NLHT6.1
CO2, CO3, CO5, CO6	Identify and choose Injections(I/M, I/V, S/C, Intradermal) [Amal-i-Ihteqān ('Azli, Vareedi aur Tahtul Jildi) Ka Mushahida wa Muzahira kia jae]	PSY-GUD	MK	KH	SIM, CBL, D-M	P-EXAM, P-VIVA	F	2	-	NLHP6.1
CO2, CO5, CO6	Identify and choose I/V Fluid therapy (Daroon-i-Vareedi Sayyāl Ke Tareeqon ki shinakht aur intekhab kia jae).	CAP	MK	KH	DIS, D	P-EXAM, P-VIVA	F	2	-	NLHP6.2
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT6.1	Fractions of Blood (Ajza-i-Dam)	<p>TBL, PT, D_L, D (5 hours)</p> <p>The teacher will demonstrate the components of blood in the laboratory and explain the indications for each component. (2 hours)</p>								

		<p>The teacher will divide the students into small groups to explore, identify, and discuss each component, including their functions, relationships, and the conditions that indicate transfusion. (2 hours)</p> <p>The teacher will assign students to make charts illustrating blood components, including their indications. (1 hour)</p>
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP6.1	Injections(I/M, I/V, S/C, Intradermal) [Amal-i-Ihteqān ('Azli, Vareedi aur Tahtul Jildi)]	<p>CBL, SIM, D-M (2 hours)</p> <p>The teacher will divide the students into small groups. Each group will be provided with a model, fake limb, simulator, or patient, depending on availability. The students will then identify and mark the injection sites for intramuscular (IM), intravenous (IV), subcutaneous (SC), and intradermal injections. (1 hour)</p> <p>Finally, each group will present their findings. (1 hour)</p>
NLHP6.2	I/V Fluid therapy (Daroon-i-Vareedi Sayyāl Ka Tareeqa)	<p>RP, DIS, D (6 hours)</p> <p>The teacher will provide a detailed overview of the different types of IV fluids, their compositions, and indications. (2 hours)</p> <p>The teacher can ask each student to create a comparative chart outlining IV fluids, their compositions, and indications. The teacher then simulates patient scenarios (e.g., dehydration, burns, and electrolyte imbalance)</p>

		<p>and asks students to select and administer the most suitable IV fluids. (2 hours)</p> <p>Students will work in groups to discuss case studies related to IV fluid administration. The teacher will facilitate group discussions and provide feedback on student responses. The teacher will provide feedback on student performance and suggest areas for improvement. (2 hours)</p>
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Topic 7 حرق و سلق HARQ WA SALQ (BURN AND SCALD) (LH : 4, NLHT: 2, NLHP: 8 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO5	Explain Burn and Scald (Harq wa Salq ko bayan karein)	CC	MK	KH	L, L_VC	VV-Viva, PP- Practical, M- CHT	F&S	2	-	LH
CO2, CO5	Explain Classification and Assessment of Burn and Scald (Harq wa Salq ki Darjabandi aur Ta'aifyun bayan karein)	CC	MK	KH	L&PPT	M-CHT, PP- Practical, VV- Viva	F&S	2	-	LH
CO2, CO5	Explain the Clinical Features, process of healing, Complications and principles of treatment and management of Burn and Scald (Harq wa Salaq ki 'Alamāt wa Nishaniyan, tareeqah-i-indemal, 'Awarizāt aur usool-i-ilaaj ko bayan karein)	CC	MK	KH	L&PPT	VV-Viva, PP- Practical, M- CHT	F&S	2	-	LH
CO2, CO5	Explain Principles of Treatment and Management of Skin Grafting and its Types (Jildi Pewandkari aur Uske Aqsam ke Usool-i-'Ilāj ki wazahat karein)	CC	MK	KH	L&PPT	PP-Practical, M-CHT	F&S	2	-	LH

CO2, CO5	Explain Escharotomy (Qata-e-Khushk Resha Ki wazahat ki jae)	CE	NK	KH	TBL, L_VC, DIS	VV-Viva, M-CHT, PP-Practical	F&S	2	-	NLHT7.1
CO2, CO5	Explain Fasciotomy (Qata-e-Lafafa ki Wazahat ki jae)	CAN	DK	KH	L_VC, TBL, PER, DIS	M-POS, VV-Viva, PP-Practical	F&S	2	-	NLHT7.2
CO2, CO5	Estimate Fluid Resuscitation (Ahya-i- ratoobat ka takhmina kia jae)	CE	DK	KH	RP, DIS, D-M, SIM, TBL	P-VIVA, P-EXAM, SP	F&S	2	-	NLHP7.1
CO2, CO5, CO7	Examine Burn Wound Care on simulator (Harqi jurooh ki dekh bhal ka muaina kia jae simulator par)	PSY-GUD	MK	KH	D, SIM, L_VC	P-VIVA, P-POS, P-EXAM	F	2	-	NLHP7.2

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT7.1	Escharotomy (Qata-e-Khushk Resha)	L_VC, DIS, TBL (1 hour) The teacher will define escharotomy, its purpose, indications, and contraindications. Then, the teacher will assign debate topics related to escharotomy and divide the students into groups to facilitate group discussions on the assigned topics.
NLHT7.2	Fasciotomy (Qata-e-Lafafa)	L_VC, DIS, TBL, PER (1 hour)

		The teacher will define fasciotomy, its purpose, indications, and contraindications. Afterwards, the teacher will assign debate topics related to fasciotomy and divide the students into groups to facilitate discussions on the assigned topics.
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP7.1	Fluid Resuscitation (Ahya-i- ratoobat)	<p>DIS, TBL, SIM, RP, D-M (4 hours)</p> <p>The teacher will utilize mannequins or simulation software to simulate burn patient scenarios. (1 hour)</p> <p>Students will then calculate and administer fluids based on burn severity and vital signs. (1 hour)</p> <p>Furthermore, the teacher will provide a simulated burn patient scenario, after which students will conduct a patient assessment and develop a personalized fluid resuscitation plan. (2 hours)</p>
NLHP7.2	Burn Wound Care (Harqi jurooh ki dekh bhal)	<p>L_VC, SIM, D (4 hours)</p> <p>The teacher will demonstrate the following skills: burn wound assessment, wound cleansing and debridement, dressing and bandaging, wound measurement and documentation, and implementation of a burn wound management plan on patient, model or simulator. (2 hours)</p>

		Then, students will practice these skills on simulators, assessing and documenting burn wounds, practicing wound cleansing and debridement techniques, measuring and documenting wound size and depth, applying various dressings and bandages, and developing and implementing burn wound management plans. (2 hours)
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Topic 8 نموٹھ جلدی واورام NAMU SATAH-I-JILDI WA AURAM (SKIN GROWTH AND SWELLINGS) (LH : 6, NLHT: 4, NLHP: 8 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO5	Explain Cyst its Definition, Classification, Aetiology, Clinical Features, Investigations, Diagnosis, Differential Diagnosis and Treatment/ Management (Keesa ki Taa'reef, Darjabandi, Asbāb, 'Alāmat wa nishaniyan, Taftesh Matlooba, Tashkhīs, Tashkhīs Fāriqa aur 'Ilāj bayan karein)	CC	MK	KH	L&PPT	PP-Practical, M-POS, VV-Viva	F&S	2	-	LH
CO2, CO5	Describe Dorsal Ganglion its Definition, Clinical Features, Investigations, Diagnosis, Differential Diagnosis and Treatment/ Management ('Uqda zahri ki Taa'reef, Alāmat wa nishaniyan, Taftesh Matlooba, Tashkhees, Tashkhīs Fāriqa aur 'Ilāj ko bayan karein)	CC	MK	KH	L&PPT	M-POS, PP-Practical, PRN	F&S	2	-	LH
CO2, CO5	Explain Tumours its Definition, Classification, Clinical Features, Principles of Treatment and Management (Sal'āt ki Taa'reef, Darjabandi, 'Alamāt wa Nishaniyan aur Usool-i-'Ilāj ko bayan karein)	CC	MK	KH	L&PPT, L_VC	VV-Viva, PP-Practical, M-POS	F&S	2	-	LH
CO2, CO5	Describe Miscellaneous lesions like Corn, Warts, Hypertrophic Scar and keloids, their Definition, Clinical Features, Principles of Treatment and Management	CC	MK	KH	L, L&PPT	VV-Viva, M-CHT, PP-Practical	F&S	2	-	LH

	(Mutafarriq Marzi Taghayyurat maslan Mismār, Saulool, Nadba-i-Mufrat-al-Namu wa Nadbiyah ki Taa'reef, Alamāt wa Nishaniyan aur Usool-i-'Ilāj ki wazahat karein)									
CO2, CO5	Demonstrate the procedure of excision of external growth and Warts (Qata-e al-Lahm al Zaid aur Qata'-al-Thāliil ka Mushahida wa Muzahira kia jae)	PSY-GUD	MK	KH	SIM, D-M, CBL, L_VC, TBL	PP-Practical, DOPS, VV-Viva, M-CHT, DOPS	F&S	2	-	NLHP8.1
CO2, CO5	Observe, describe and demonstrate the procedure of FNAC, Tapping and Aspiration (Bazl, Masās aur FNAC ke Tareeqon Ka Mushahida, Muzahira Aur Wazahat ki jae)	CAP	DK	KH	CBL, D-M, SIM, L_VC, TBL	P-EXAM, P-VIVA, DOPS, DOPS	F&S	2	-	NLHP8.2
CO2, CO5	Explain various types of Cautery and its application (Makwat ke mukhtalif aqam aur uske mawaqe' iste'mal ki wazahat karein)	CAP	DK	SH	TPW, TUT, LS	CL-PR, PP-Practical, VV-Viva	F	2	-	NLHT8.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT8.1	Types of cautery and their uses (Makwat ke mukhtalif aqam aur uske mawaqe' iste'mal)	<p>TUT, TPW, LS (4 hours)</p> <p>Teacher divides the class into groups and allocates tutorials/ projects to each group. (1 hour)</p> <p>Each group presents their findings on a specific type of cautery with their indications, contraindications, and complications. (2 hours)</p>

		Teacher summarises the key points. (1 hour)
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP8.1	Excision of external growth and warts (Qata-e al-Lahm al Zaid aur Qata'-al-Thāilil)	<p>L_VC, CBL, TBL, SIM, D-M (4 hours)</p> <p>The teacher will demonstrate patient selection for excision of external growths and warts, emphasizing the importance of taking a thorough medical history. The teacher will then display the procedural steps to the students. If patients are unavailable, the procedure will be demonstrated using models, simulators, or videos. (2 hours)</p> <p>Following the demonstration, students will be divided into groups to revise the procedure on models/simulators. The teacher will conduct a Direct Observation of Procedural Skills (DOPS) assessment. (2 hours)</p>
NLHP8.2	Procedure of FNAC, Tapping and Aspiration (Bazl, Masās aur FNAC ke Tareeqe)	<p>L_VC, CBL, TBL, SIM, D-M (4 hours)</p> <p>The teacher will show how to select the patients for FNAC, Tapping and Aspiration procedures after taking a proper medical history and then display the methods of each procedure to the students. If patients are not available then the procedure will be displayed on a model or simulator or through videos. (2hours)</p> <p>After this students will be divided into groups and they will revise the same on model/simulator and the teacher will do DOPS. (2 hours)</p>
Topic 9 امراض شڈنکین AMRĀZ-I-SADDYAIN (DISEASES OF THE BREAST) (LH : 4, NLHT: 2, NLHP: 6 hours)		

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2	Enlist Congenital Anomalies of Breast (Saddyain Ki Khalqi Bad Wazaeyan ki fehrist pesh karein)	CAP	MK	K	DIS, L_VC, TBL	PRN, P-POS, P-VIVA, T-CS, M-POS	F&S	2	-	NLHT9.1
CO2	Explain Mastitis its Definition, Classification, Clinical Features, Principles of Treatment and Management (Iltihab-i-Saddy ki Taa'reef, Darjabandi, Alamāt wa Nishaniyan aur Usool-i-'Ilāj ko bayan karein)	CK	MK	K	L, L&PPT	PRN, T-CS	F&S	2	-	LH
CO2	Explain Breast Abscess its Definition, Classification, Clinical Features, Principles of Treatment and Management (Khuraj-i-Saddy ki Taa'reef, Darjabandi, 'Alamāt wa Nishaniyan aur Usool-i-'Ilāj ko bayan karein)	CK	MK	K	L&PPT , L	PRN, T-CS	F&S	2	-	LH
CO2	Describe Gynaecomastia/ Gynaecomazia its Definition, Aetiology, Clinical Features, Investigations, Differential Diagnosis, Treatment/ Management (Tasaddy-al-Zakoor/ Tasaddy-al-Rajul ki Taa'reef, Asbāb, 'Alāmat, Taftesh Matlooba, Tashkhīṣ Fāriqa aur Ilāj ki wazahat karein)	CC	MK	KH	L, L&PPT	PRN, T-CS	F&S	2	-	LH
CO2	Explain Breast Tumours ,Benign & Malignant their Definition, Aetiology, Clinical Features, Investigations, Differential Diagnosis and their Treatment/ Management (Sal'āt-i-Saddy, Hameedah wa Khabeesah ki Taa'reef, Asbāb, 'Alāmat, Taftesh Matlooba, Tashkhīs Fāriqa aur ilaj ki wazahat karein)	CC	MK	KH	L_VC, L&PPT	T-OBT, T-CS, PRN	F&S	2	-	LH

CO2	Demonstrate the procedure of FNAC of Breast Swelling (Saddyain ke auram ki Bazl aur Masās Ke Tareeqon ka Mushahida kia jae)	PSY-GUD	MK	SH	D-M, L_VC, SIM	P-EXAM, P-MOD	F&S	2	-	NLHP9.1
CO2	Demonstrate the appropriate method and steps for performing examination of breast (Saddyain ke mu'aiina karne ke munasib iqdamat ka mushahida kia jae).	CAP	MK	SH	DIS, CBL, D-M, SIM, L_VC	P-EXAM	F	2	-	NLHP9.2

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT9.1	Congenital Anomalies of Breast (Saddyain Ki Khalqi Bad Wazaeyan)	<p>L_VC, DIS, TBL (2 hours)</p> <p>Teacher will show the video clips of congenital anomalies of breast. (1 hour)</p> <p>After this the students will be divided into groups to discuss each anomaly focusing on diagnosis, treatment options and potential complications. Assign students to create informative posters about congenital breast anomalies. (1 hour)</p>

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP9.1	FNAC of Breast Swelling (Saddyain ke auram ki Bazl aur Masās ka Tareeqa)	<p>L_VC, SIM, D-M (3hours)</p> <p>The Teacher will show videos demonstrating FNAC procedures. Students will observe and take notes on the techniques used. (1 hour)</p>

		<p>The teacher will demonstrate FNAC techniques such as needle insertion and aspiration on simulation models or fake tissue samples. (1 hour)</p> <p>The students will practice the same on simulation models or fake tissue samples. (1 hour)</p>								
NLHP9.2	Examination of Breast (Saddyain ka mu'aiina)	<p>L_VC, DIS, CBL, TBL, SIM, D-M (3 hours)</p> <p>The Teacher will demonstrate the steps of breast examination through video clips or on patient/ mannequins/ simulation model. The teacher can provide students with case studies of patients with breast related complaints. (1 hour)</p> <p>Then students will be asked to take history, perform a physical examination and develop differential diagnosis. The teacher will divide students into small groups and assign each group a specific aspect of breast examination. Have them teach each other and practice the skills. (1 hour)</p> <p>The teacher can create a checklist of key steps in breast examination. Later the students will be made to work in pairs or small groups to practice the examination and check off each step. (1 hour)</p>								
Topic 10 ناخن کے عمومی امراض NAKHOON KE 'UMOOOMI AMRĀZ (COMMON DISEASES OF NAILS) (LH : 2, NLHT: 2, NLHP: 6 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO6	Explain Paronychia its Definition, Aetiology, Clinical Features, Investigations and Treatment (Dakhis ki Taa'reef, Asbāb,	CK	MK	K	L&PPT , CBL, PBL	PRN, P-EXAM	F&S	2	-	LH

	'Alāmat wa nishaniyan, Taftesh Matlooba aur Ilāj bayan karein)									
CO2	Define Onychomycosis its Definition, Aetiology, Clinical Features, Investigations, Differential Diagnosis and Treatment/ Management (Futr-al-Azfār ki Taa'reef, Asbāb, 'Alāmat, Taftesh Matlooba, Tashkhīs Fāriqa aur Ilāj bayan karein)	CC	NK	KH	CBL, L&PPT, PrBL	PRN	F&S	2	-	LH
CO2, CO6	Explain Onychogryphosis its Definition, Aetiology, Clinical Features, Investigations, Differential Diagnosis and Treatment/ Management (Ta'aquf-al-Azfār ki Taa'reef, Asbāb, 'Alāmat, Taftesh Matlooba, Tashkhīs Fāriqa aur Ilāj bayan karein)	CC	MK	KH	L_VC, CBL	PRN	F&S	2	-	LH
CO2	Define Onychocryptosis/ Unguis Incarnatus/ Ingrowing Toe Nail its Definition, Aetiology, Clinical Features, Investigations, Differential Diagnosis and Treatment/ Management (Khafi-al-Azfār ki Taa'reef, Asbāb, 'Alāmat wa nishaniyan, Taftesh Matlooba, Tashkhīs Fāriqa aur Ilāj bayan karein)	CK	MK	KH	DIS, RP, CBL, L_VC	T-OBT, SP, PP-Practical, VV-Viva, QZ	F&S	2	-	NLHT10.1
CO2	Observe and describe the procedural steps of nail extraction (Ikhraj-e-nakhoon ke tareeqon ka mushahida wa wazahat ki jae)	CAP	DK	SH	TBL, L_VC, D, D-M	P-PRF, C-VC, P-MOD	F	2	-	NLHP10.1
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT10.1	Ingrowing Toe Nail (Khafi-al-Azfār)	L_VC, DIS, CBL, RP (2 hours)								

		<p>The Teacher will define and demonstrate about Onychocryptosis or Ingrowing toe nail through lecture and video clips. The teacher then prepare a quiz on Ingrowing toe nail covering the key aspects. After quiz facilitate a discussion on the common causes of Ingrowing toe nail, clinical features in different stages, investigations necessary for the diagnosis, the differential diagnosis to consider, the treatment options available and when surgical intervention is necessary. (1 hour)</p> <p>The teacher can go for Role- play. Pair students up to role-play a patient - doctor interaction. One student plays the patient with an Ingrowing toe nail, and the other student plays the doctor. The doctor should ask questions to diagnose the condition and provide treatment options. (1 hour)</p>
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP10.1	Nail Extraction (Ikhraj-e-nakhoon)	<p>L_VC, TBL, ECE, D-M, D (6 hours)</p> <p>The teacher will demonstrate the nail extraction procedure through videos/on a fake nail model /on a patient. (2 hours)</p> <p>The students will be provided with fake nail model and have them practice the extraction procedure under supervision. (2 hours)</p> <p>The teacher will ask students to illustrate each step of the nail extraction procedure, the instruments used and anatomical structures involved.</p> <p>The students can be divided into groups to discuss the nail extraction</p>

		procedure, its indications, contraindications and potential complications. (2 hours)								
Topic 11 سيالات و نمکیات SAYYALĀT WA NAMKIYĀT (FLUIDS AND ELECTROLYTES) (LH : 6, NLHT: 3, NLHP: 6 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2	Explain Fluids and Electrolyte Balance (Tawazun-i- Sayyalāt wa Namkiyāt ko bayan karein)	CK	MK	K	L, PBL	T-CS	F&S	2	-	LH
CO2	Explain Acid-Base Balance (Tawazun-i-Hamz wa Isaas ko bayan karein)	CK	MK	K	L	T-OBT	F&S	2	-	LH
CO2	Explain Intravenous Fluid Therapy (Dakhil-ul-Vareed Sayyal se 'Ilāj ki wazahat karein)	CK	MK	K	L	T-CS	F&S	2	-	LH
CO2	Explain Plasma Volume Expanders (Ittisa'-i- Sayyal-i-Hajam ko bayan karein)	CK	MK	K	L	PRN	F&S	2	-	LH
CO2	Explain Parenteral Nutrition (Ghair Me'wi Taghziya ko bayan karein)	CK	MK	K	L_VC, DIS, TBL, CBL	P-EXAM, P-VIVA, M-CHT, M-POS	F&S	2	-	NLHT11.1
CO3	Justify the Parenteral fluid therapy (Moalija-e-Sayyal Me'wi Ka Mushahida kia jae)	CAP	MK	SH	SIM, DIS, TBL, PSM, L_VC	P-EXAM, P-VIVA, M-CHT, QZ	F&S	2	-	NLHP11.1
Non Lecture Hour Theory										

S.No	Name	Description of Theory Activity
NLHT11.1	Parenteral Nutrition (Ghair Me'wi Taghziya)	<p>L_VC, DIS, CBL, TBL (3 hours)</p> <p>The teacher will give interactive lecture on parenteral nutrition basics, nutrient components and patient assessment before initiating parenteral nutrition. (1 hour)</p> <p>The students will be divided into small groups for discussion on parenteral nutrition protocols, complications and recent advances in parenteral nutrition. (1 hour)</p> <p>The groups can present case studies and discuss their management plans. (1 hour)</p>
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP11.1	Parenteral fluid therapy (Moalija-e-Sayyal Me'wi)	<p>L_VC, DIS, PBL, TBL, SIM, PSM (6 hours)</p> <p>The Teacher will give informative lecture with videos on fluid therapy basics, electrolyte balance and patient assessment before initiating parenteral fluid therapy. The students will be divided into small groups and assigned to discuss and develop fluid therapy protocols in specific conditions, present on recent advances and controversies in parenteral fluid therapy. (2 hours)</p> <p>Students may be provided simulation mannequins or virtual reality to practice administering parenteral fluids. Students may be provided with</p>

		simulation arms or fake arms to practice inserting IV lines. Simulate different scenarios, such as hypovolemia or fluid overload, and have students manage fluid therapy. (3 hours)
		The teacher can develop a quiz to assess students knowledge of parenteral fluid therapy. (1 hour)

Topic 12 عمل تحریر، AMAL-I-TAKHDEER (ANAESTHESIA) (LH : 11, NLHT: 7, NLHP: 15 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO3	Explain the steps of the Pre-anaesthetic assessment (Mu'aina Qabl-i-Takhdeer ke sabhi aqdam ki wazahat karein).	CC	MK	KH	TUT, L_VC, TBL	PP-Practical, VV-Viva	F&S	3	-	NLHT12. 1
CO2	Define Pre-Anaesthetic Assessment (Mu'aina Qabl-i-Takhdeer ko bayan karein)	CC	MK	K	L&PPT , L_VC, L	P-VIVA, T- OBT	F&S	3	-	LH
CO2	Explain Pre-Anaesthetic Medication (Iste'maal-i- Advia Qabl-i-Takhdeer ki wazahat karein)	CC	MK	K	L&PPT , L	P-VIVA, P- EXAM	F&S	3	-	LH
CO2	Describe Types of Anaesthesia (Aqsām-i-'Amal-i-Takhdeer ko bayan karein)	CK	MK	K	L, L_VC, L&PPT	T-OBT, PRN	F&S	3	-	LH
CO2	Describe General Anaesthesia, Regional Anaesthesia, Spinal Anaesthesia, Epidural Anaesthesia, Local Anaesthesia and Methods/Procedures of Above Mentioned Types of Anaesthesia, Drugs /Anaesthetic Agents used, Benefits, Complications and Management ('Amal-i-Takhdeer	CK	MK	KH	L_VC, L, L&PPT	VV-Viva, PP- Practical	F&S	3	-	LH

	'Umoomi, 'Amal-i-Takhdeer Aqlimi, 'Amal-i-Takhdeer Nukhaee, 'Amal-i-Takhdeer Bairoon i Jafiya, 'Amal-i-Takhdeer Muqāmi aur inka Tariqa Kar, Musta'mil Advia, Ifadiyāt wa Awarizāt aur Unka 'Ilāj bayan karein)									
CO2	Describe Cardio-Pulmonary Resuscitation (Ahya-i-Aa'mal-i-Qalb wa Riya ki wazahat karein)	CK	MK	KH	SIM, DIS, L_VC, D	P-EXAM, PRN, T-CS	F&S	3	-	NLHP12.1
CO2	Describe Artificial Respiration (Masnuei' 'Amal-i-Tanaffus ki wazahat karein)	CK	MK	KH	L, L_VC, L&PPT	T-CS, CL-PR, P-VIVA, P-EXAM	F&S	3	-	LH
CO3	Demonstrate the technique of Local anaesthesia (Amal-i-Takhdeer muqami ke tareeqa kar ki wazahat karein)	CAP	MK	SH	L_VC, D, SIM	P-PRF, PRN	F&S	3	-	NLHP12.2
CO3	Demonstrate the steps of Pre-Anaesthetic Assessment (Mu'aina Qabl-i-Takhdeer ke mukhtalif aqdam ki wazahat karein)	CAP	MK	KH	D, L_VC	P-EXAM, P-VIVA	F&S	3	-	NLHP12.3
CO3	Explain Historical Background of Anaesthesia ('Amal-i-Takhdeer ka Tarikhi Pasmanzar bayan karein)	CC	DK	KH	L_VC, L&PPT, L	S-LAQ, VV-Viva, PP-Practical	F&S	3	-	LH

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT12.1	Pre-Anaesthetic Assessment (Mu'aina Qabl-i-Takhdeer)	L_VC, TUT, TBL (7 hours)

		<p>The teacher will divide the students into different groups and allot tutorials to understand the steps of the Pre-anaesthetic assessment. Understand the importance of Pre-Anaesthetic Assessment. Identify the steps involved in Pre-Anaesthetic Assessment. Develop critical thinking skills in assessing patients pre-anesthesia. (3 hours)</p> <p>The Teacher can develop a Quiz to assess student's knowledge of the pre-anaesthetic check-up process, including the important points to be covered and the potential complications that can arise (2 hours)</p> <p>The Teacher will evaluate students, on the basis of case study presentations assessing their ability to gather and present relevant information, as well as their critical thinking and problem-solving skills. (2 hours)</p>
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP12.1	Cardio-Pulmonary Resuscitation (Ahya-i-Aa' mal-i-Qalb wa Riya)	<p>L_VC, DIS, SIM, D (5 hours)</p> <p>The teacher will demonstrate the whole procedure of cardiopulmonary resuscitation to students with video clips or with the help of a simulator. (2 hours)</p> <p>The students can be paired up to discuss the steps of CPR. (1 hour)</p> <p>The students can practice CPR on each other or on mannequins or simulator. (2 hours)</p>

NLHP12.2	Local anaesthesia (Amal-i-Takhdeer muqami)	<p>L_VC,SIM, D (5 hours)</p> <p>The teacher will demonstrate the technique of Amal-i-Takhdeer muqami (Local anaesthesia) through video clips/ in the operation theater on the patient, if the patient is not available the same will be shown to the students using a simulator. (2 hours)</p> <p>The students will be divided into small groups and they will practice the same on simulator. (2 hours)</p> <p>The students will practice individually the same on simulator. (1 hour)</p>
NLHP12.3	Pre-Anaesthetic Assessment (Mu'aina Qabl-i-Takhdeer)	<p>L_VC, D (5 hours)</p> <p>The teacher will demonstrate the different steps of a pre-anesthetic checkup based on clinical presentation, physical examination, and investigative techniques. The checkup must include the instructions to be followed before the operation and methods for optimizing the patient's health. (1 hour)</p> <p>The Teacher will divide students into pairs, with one playing the role of the anaesthesiologist and the other as the patient. Practice conducting a pre-anaesthetic check-up, including taking medical history, performing a physical examination and reviewing laboratory results. (2 hours)</p> <p>The Teacher can set up an Objective Structured Clinical Examination (OSCE) station where students can practice pre- anaesthetic check-up on a simulated patient. (2 hours)</p>

Topic 13 علم العظام ومفاصل، ILMUL 'IZĀM WA MAFASIL (ORTHOPAEDICS) (LH : 11, NLHT: 6, NLHP: 16 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1, CO2	Demonstrate the steps of Basic bandaging (Ribāt aur Jabeera ke bunyadi tareeqon ka muzahira kia jae)	CAP	MK	SH	L_VC, D-M, TBL, SIM, D	P-EXAM, P-VIVA	F&S	3	-	NLHP13.1
CO1	Illustrate different types of fractures, dislocations, and their management through Unani and modern principles (Tib-e-Unani aur Jadeed Usool-e-'Ilaj ki roshni mein Kasr wa Khal' ke mukhtalif aqam aur unke usool-e-'Ilaj ka khaka tayyar karein)	CC	MK	SH	EDU, TUT, CBL, PBL, L_VC	P-VIVA, P-ID	F&S	3	-	NLHT13.1
CO1	Describe Historical Background of Orthopaedics (Ilmul 'Izām wa Mafasil ka Tarikhi Pasmanzar bayan karein)	CK	NK	KH	L&PPT, L_VC, L	T-OBT, PP-Practical, VV-Viva	F&S	3	-	LH
CO1, CO2	Define General Description of Orthopaedics (Ilmul 'Izām wa Mafasil ke 'Umūmi Bayan ki wazahat karein)	CK	DK	K	L, L&PPT	PP-Practical, VV-Viva	F&S	3	-	LH
CO2	Explain Fracture and Dislocation, its General Description, Classification, Clinical Features, Complications and Management (Kasr wa Khal' ka 'Umūmi Bayan, Darjabandi, 'Alāmat wa Nishaniyan, 'Awarizāt aur unke 'Ilāj ko bayan karein)	CK	MK	KH	L, L_VC	PRN, T-OBT	F&S	3	-	LH
CO2	Describe Fracture of Upper Limb and its Management (Balae Atrāf ke Kasūr aur Unka 'Ilāj bayan karein)	CC	DK	KH	L, D-M	P-VIVA	F&S	3	-	LH

CO2	Describe Fracture of Clavicle and Fracture of Humerus (Kasr-i-Tarqua aur Kasr-i-Uzd ki wazahat karein)	CK	MK	KH	L&PPT , L_VC, L	PP-Practical, VV-Viva	F&S	3	-	LH
CO2	Describe Fractures of Lower Limb and its Management (Zerīn Atrāf ke Kasūr aur Unka Ilāj bayan karein)	CK	DK	KH	L&PPT , L_VC, L	VV-Viva, PP- Practical	F&S	3	-	LH
CO2	Describe Fracture of Radius and Ulna (Kasr-i-Zanad-i-A'la wa Asfal ki wazahat karein)	CK	MK	KH	L, L&PPT , L_VC, X-Ray	SP	F&S	3	-	LH
CO2	Explain Fracture of Pelvic Bone, Fracture of Femur, Fracture of Patella, Fracture of Tibia, Fracture of Fibula.(Kasr-i- 'Aana, Kasr-i-'Azam-ul-Fakhiz, Kasr-i-Razfa, Kasr-i-Qasba-i-Kubra, Kasr-i-Qasba-i-Sughra ko bayan karein)	CC	DK	KH	L	PP-Practical, T-OBT, VV- Viva	F&S	3	-	LH
CO2	Demonstrate fractures, dislocation, and their basic management (Kasr Wa Khala Aur Unke Bunyadi Moalija ki wazahat karein)	CAP	DK	SH	SIM, X- Ray, D, L_VC	P-EXAM, P- VIVA	F&S	3	-	NLHP13. 2
CO2	Explain Dislocation, Subluxation and their Management (Khal',Juzwi Khal' Aur Unka'Ilāj bayan karein)	CC	MK	SH	L, L&GD, L_VC	VV-Viva, PP- Practical	F&S	3	-	LH
CO2	Describe Dislocation of Upper limb and lower limb (Balaī Atrāf ke Khal' aur Zerīn Atrāf ke Khal' ki wazahat karein)	CK	DK	KH	DIS, X- Ray, EDU, L_VC	P-VIVA	F&S	3	-	NLHT13. 2

CO2	Explain Diseases of the Bones and Joints (Amrāz-i-'Izām wa Mafāsīl ko bayan karein)	CC	MK	K	L&PPT , L, L_VC	VV-Viva, PP- Practical	F&S	3	-	LH
CO2	Describe Arthritis and its Types (Iltihab-i-Mafasil aur uski Aqsaam ko bayan karein)	CK	DK	KH	L, L_VC, L&PPT	VV-Viva, PP- Practical	F&S	3	H-MOA	LH
CO2	Explain Tuberculosis of Spine (Tadarrun-i-Fuqrah ko bayan karein)	CC	MK	K	L&PPT , L, L_VC	PP-Practical, VV-Viva	F&S	3	-	LH
CO2	Describe Metabolic Diseases of bones like Rickets, Osteomalacia, Gout, Osteoarthritis, Rheumatoid Arthritis and Osteoporosis (Amrāz-i-Istehala maslan Kusāh, Layyan-ul-'Izām, Niqris, Fusāl-i-'Azmi, Waja'-al-Mafasil, HudariTakhalkhul-i'Izām /Wahn-al-'Izām ki wazahat karein)	CK	MK	K	L_VC, L&PPT , L	PP-Practical, VV-Viva	F&S	3	H-MOA	LH
CO2	Describe Tumors of Bones (Benign and Malignant Tumors) [Sal'āt-i-'Izām (Sal'āt-i-Mehmooda aur Sal'āt-i-Khabeesa) ki wazahat karein]	CC	MK	KH	L_VC, L&PPT , L	PP-Practical, VV-Viva	F&S	3	-	LH
CO2	Explain Soft Tissue Injuries and their Management and General Description of Diseases & Injuries of Muscles, Tendons, Ligaments and Fasciae (Zarb-i-Ansaja-i-Layyannah aur unka 'Ilāj aur Zarb-i-'Azlāt, Wasea, Rabatāt, Awtar wa Lafaf ke Amrāz, Zarbāt aur Unka 'Umoomi Bayan ki wazahat karein)	CC	MK	K	L_VC, L, L&PPT	T-CS, T-OBT	F&S	3	-	LH
Non Lecture Hour Theory										

S.No	Name	Description of Theory Activity
NLHT13.1	Fractures, dislocations, and their management through Unani and modern principles(Tib-e-Unani aur Jadeed Usool-e-'Ilaj ki roshni mein Kasr wa Khal' ke mukhtalif aqsam aur unka usool-e-'Ilaj)	<p>L_VC, TUT, PBL, CBL, EDU (3 hours)</p> <p>The teacher will divide the class into different groups and allot tutorials to identify the different types of fractures, dislocations, and their management through Unani principles. (1 hour)</p> <p>The teacher will divide the class into different groups and allot tutorials to identify the different types of fractures, dislocations, and their management through modern principles. (1 hour)</p> <p>The Teacher can develop a Quiz to assess the knowledge of students on fractures, dislocations and their management through Unani principles and modern principles. (1 hour)</p>
NLHT13.2	Dislocation of Upper limb and lower limb (Balaī Atrāf ke Khal' aur Zerīn Atrāf ke Khal')	<p>L_VC, DIS, X-Ray, EDU (3 hours)</p> <p>The teacher will divide the students into different groups and arrange the discussion on the dislocation of the upperlimbs and its management (1 hour)</p> <p>The teacher will divide the students into different groups and arrange the discussion on the dislocation of the lower limbs and its management. (1 hour)</p> <p>The Teacher can provide radiographs (X-rays) of patients with dislocations of the upper and lower limbs, discussing the diagnostic features and treatment options. (1 hour)</p>

Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP13.1	Basic bandaging (Ribāt aur Jabeera ke bunyadi tareeqe)	<p>L_VC, TBL, SIM, D-M, D (4 hours)</p> <p>The teacher will demonstrate the different methods of cleaning and dressing wounds through video clips/on patients/ on mannequins/ with the help of simulators and will also explain the indications and contraindications of applying the bandages and their possible complications. (2 hours)</p> <p>The students will be ensured to practice it individually on the same. (2 hours)</p>
NLHP13.2	Fractures, dislocation, and their basic management (Kasr wa Khala aur unka bunyadi Moalija)	<p>L_VC, SIM, X-Ray, D (12 hours)</p> <p>The teacher will demonstrate the different fractures and dislocations of the upper and lower limbs with the help of different X-ray films and their management. (2 hours)</p> <p>The teacher will demonstrate the different fractures and dislocations of the upper and lower limbs with the help of different video clips and their management. (2 hours)</p> <p>The teacher will demonstrate the different fractures and dislocations of the upper and lower limbs on simulator/ patient and their management. (2 hours)</p>

		<p>The Teacher can develop a Quiz to assess student's knowledge of fracture, dislocation and their management including the basic principles of treatment and rehabilitation. (2 hours)</p> <p>The students can be divided into groups for discussion on the potential complications of fractures and dislocation. (2 hours)</p> <p>The Teacher can evaluate the student's ability to perform an orthopaedic examination on a simulated patient or volunteer assessing their ability to identify and manage fractures and dislocations. (2 hours)</p>
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Paper 2 (Ilmul Jarahat (Surgery) Paper II)

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	J3 Integratio n	K3 Type
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Topic 14 راس و عنق RA'S-O- 'UNUQ (HEAD & NECK) (LH : 2, NLHT: 2, NLHP: 5 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2	Define and classify External and Internal injuries of Head (Zāhiri aur Batni Zarat-i-Ra's ki ta'reef aur unki darjabandi ki wazahat karein)	CK	MK	KH	L, L_VC, L&PPT	P-EXAM, P-VIVA, Log book, QZ	F&S	1	-	LH
CO2	Describe the Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment/ Management of Fracture of skull bones and Goitre (Kasr Izām-i-Jumjuma aur Ghautar	CC	MK	KH	L, FC	P-EXAM, P-VIVA, CL-PR, VV-Viva	F&S	1	-	LH

	ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)									
CO2, CO7	Explain Lymphadenitis (Iltihāb Ghudda-i-Lymphawia ki wazahat karein)	CC	MK	KH	SY, W	QZ , P-VIVA, P-EXAM	F&S	1	-	NLHT14.1
CO5	Demonstrate the skills in performing examination of External and Internal injuries of Head (Zāhiri aur Baatni Zabat-i-Ra's ke mu'aiina mein maharat ka muzahira kia jae)	PSY-GUD	MK	SH	RP, CBL	P-EXAM, P-VIVA, P-CASE	F&S	1	-	NLHP14.1
CO2, CO5	Illustrate the use of imaging modalities (CT scan, MRI scan) in internal head injuries focusing on appropriate referral protocols [Baatni Zabat-i-Ra's mein tasveeri tareeqahai kar (CT scan, MRI scan) ke iste'mal ko munasib Tibbi jayezah ko makhloot rakhte hue bayan kijiye]	PSY-GUD	MK	SH	X-Ray, CBL, PBL, L_VC	P-VIVA, P-EXAM, OSPE	F	1	-	NLHP14.2

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT14.1	Principles of management of Lymphadenitis (Iltihāb Ghudda-i-Lymphawia ka Usool-e-'Ilāj)	<p>SY, W (2 hours)</p> <p>The teacher will ask the student to organize the information and discuss in a workshop or symposium.</p>

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
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NLHP14.1	Examination of external and Internal injuries of the head (Zāhiri aur Baatni Zarbat-i-Ra's ka mu'aiina)	CBL, RP (2hours) The teacher will divide the class into multiple groups and demonstrate the examination on a patient or simulate real-life scenarios. If a patient is unavailable, the objectives will be achieved using models or videos.
NLHP14.2	Interpretation of Imaging techniques (Takneeki tasveer ki mutabiqat)	L_VC, PBL, CBL, X-ray (3 hours) The teacher will enlist indications for radiological investigations, preparations, and blood investigations required for the procedures. The teacher will ensure case-based discussion, encourage case taking, clinical examination, nature of the injury, complete examination as per protocol, and refer the patient in time.

Topic 15 جوفم JAUF-I-FAM (ORAL CAVITY) (LH : 2, NLHT: 2, NLHP: 6 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO5, CO7	Analyze the definitions, causes, and clinical features of oral conditions including Cleft lip, Cleft palate, Ranula, Tongue-tie, Sub-mucosal Fibrosis and Leukoplakia and their distinguishing characteristics (Fami halaat bashamool Farja-i-Shaffa, Farja-i-Hanaki, Difda'-al-Lisān, Qaṣr-al-Lisān, Talayyuf Taht-al-Ghisha-i-Mukhati aur Sudāf-i-Lisān ki Ta'arīf, Asbab, 'Alāmāt wa Nishaniyan aur unki imtiyazi khusoosiyat ka tajziya karein)	CAN	MK	KH	L_VC, L&GD	T-OBT, M-POS, T-CS, M-CHT, CL-PR	F&S	1	-	LH
CO2	Define and classify Cleft lip and Cleft palate (Farja-i-Shaffa aur Farja-i-Hanaki ki ta'reef aur unki darjabandi ki wazahat karein)	CC	MK	K	L_VC, L&PPT, L&GD	CL-PR	F&S	1	-	LH

CO1, CO2, CO5	Diagnose and differentiate the common oral diseases including Cleft lip, Cleft palate, Ranula, Tongue tie, Sub-mucosal Fibrosis and Leukoplakia based on clinical and radiological findings (Umoomi Amraz-e-Fam bashamool Farja-i-Shaffa, Farja-i-Hanaki, Dīfda'-al-Lisān, Qaṣr-al-Lisān, Talayyuf Taht-al-Ghisha-i-Mukhati aur Sudāf-i-Lisān ki Tashkhees aur Tashkhees-e-fariqa, Tibbi aur Radiae nataij ki bunlyad par bayan karein)	CAN	MK	KH	X-Ray, PER, LRI, L_VC	P-EXAM, P-VIVA, OSCE, PRN	F&S	1	-	NLHT15.1
CO3, CO6, CO7	Demonstrate empathetic communication skills to educate patients and caregivers on oral health, disease management, treatment options, preventive measures and oral cancer awareness including early recognition strategies(Sehat-e-Fam, unka l'laj aur uske l'laj ke mutabadil tareqe, ahtiyati tadabeer aur sartan-e-Fam se mutalliq waqfiyat yani uske ibtidai marahil mein uski shinakht se mutalliq laihae 'amal tae karne ke liye marizon aur sehat ki dekhbhal karne wale 'amle ki ta'leem ke liye hamdardana mawaslati maharat ko bayan kia jae)	AFT-VAL	DK	SH	PrBL, TBL, RP	P-PRF, P-SUR, P-RP, P-EN	F	1	-	NLHP15.1
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT15.1	Differential diagnosis of oral diseases (Amrāz-e-jauf-e-fam ki Tashkhīs Fāriqa)	<p>L_VC, PER, LRI, X-ray (2 hours)</p> <p>The teacher will teach in detail about oral diseases and will provide a checklist for case-taking, clinical examination, investigations, and plan for treatment.</p>								

Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
NLHP15.1	Awareness of students regarding moral responsibility (Akhlāqi zimmedari ke bare mein Talba ki waqfiyat)	<p>PrBL, TBL, RP, TPW (6 hours)</p> <p>The teacher will teach students about oral diseases, complications and oral hygiene. (2 hours)</p> <p>The teacher will teach students about preventive strategies, and how to bring awareness to the target population. (2 hours)</p> <p>The Teacher will demonstrate empathetic communication skills to students, on how to educate patients on oral health. (2 hours)</p>								
Topic 16 سدر (THORAX) (LH : 2, NLHT: 2, NLHP: 5 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO5, CO6	Explain Empyema Thoracis its Aetiology, Clinical features, Investigations, Differential diagnosis and Management (Taqaayuh-al-Şadr ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ko bayan karein)	CC	DK	K	LS, SDL, TUT, DIS	T-OBT, P-VIVA, CL-PR	F&S	1	-	NLHT16.1
CO5, CO7	Demonstrate the ability to accurately interpret Chest X-ray reports for basic pulmonary pathologies.	PSY-GUD	MK	SH	X-Ray, CBL	OSPE, P-EXAM, P-VIVA	F	1	-	NLHP16.1
CO1, CO2, CO5	Develop proficiency in Pleural paracentesis /Pleural tapping with accurate technique and safety (Bazl-al-maa janbi ki saheeh aur mehfooz takneek mein maharat hasil karein)	PSY-GUD	DK	SH	SIM, L_VC	P-PRF, P-RP	F	1	-	NLHP16.2

CO2	Describe External and Internal injuries of Thorax its Aetiology, Clinical features, Investigations, Differential diagnosis and Management (Zāhiri aur Baatni Zarbat-i-Sadr ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CK	MK	K	L&PPT , L	P-VIVA, T- OBT	F&S	1	-	LH
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT16.1	Empyema Thoracis (Taḡayyuh-al-Ṣadr)	<p>TUT, DIS, SDL, LS (2 hours)</p> <p>The teacher will ask for tutorials on this topic and suggest a few books from the library to compile the matter for discussion.</p>								
Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
NLHP16.1	Interpretation of Chest X-ray reports (Sadr ki Tasvir-i-Shu'aai ki tatbeeq)	<p>X-ray, CBL (3 hours)</p> <p>The teacher will teach the students about Chest X-ray views to be advised, and help them to identify normal and abnormal X-ray findings. (1 hour)</p> <p>The Teacher can provide students with a set of Chest X-ray images and ask them to identify and interpret various findings. (1 hour)</p> <p>The Teacher can assign students a case study of a patient with a chest X-ray abnormality. Ask them to research and present on the diagnosis, treatment and management of the patient. (1 hour)</p>								

NLHP16.2	Pleural paracentesis (Bazl-al-maa janbi)	SIM , L_VC (2 hours) The teacher will teach the indications and techniques for aspirating the fluid using a syringe and catheter safely and accurately on simulators. If a simulator is unavailable, the objective will be achieved using videos.								
Topic 17 بحث المعده والامعاء MABHAS-AL-MI'DA WA AL-AM'Ā' (GASTRO ENTEROLOGY) (LH : 17, NLHT: 8, NLHP: 16 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2	Describe Surgical anatomy of Oesophagus (Marī ki Tashrīh-i-Jarāhi ko bayan karein)	CK	MK	K	L, L&PPT , L_VC	CL-PR, QZ	F&S	1	V-TB	LH
CO2	Explain the Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment of GERD, Hiatus Hernia and Achalasia Cardia (Marz Rujoo Medi Mari, Fatq Hijab Hajiz aur Fawaad-i-Irtekhaliya ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur ilāj bayan karein)	CC	MK	KH	L&PPT , L&GD, L	VV-Viva, T- OBT, P-VIVA	F&S	1	-	LH
CO1, CO2, CO5, CO7	Develop a management plan for patients with esophageal disorders integrating pharmacological, surgical, and lifestyle modifications based on the holistic approach of Unani medicine (Tib-e-Unani ke kulli usool, 'Ilaj bil dawa, 'Ilaj bil jarahat aur tarz-e-zindagi ki islaah ko madde nazar rakhte hue Amraz-e-Marī ke 'Ilaj ka mansooba waza' karein)	PSY- GUD	MK	KH	SY, TUT	COM, Log book, Portfolios	F	1	-	NLHT17. 1
CO2	Explain Gastritis its Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment (Ilthab-i-	CC	MK	KH	L, L&PPT	T-OBT, P- VIVA, VV-Viva	F&S	1	-	LH

	Mi'da ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ka bayan karein)									
CO2	Analyze the definitions, causes, clinical features, diagnosis, and differential diagnosis of Gastric and Duodenal ulcer and Carcinoma of stomach (Qurūḥ-i-Mi'da-wa-lthnā 'Asharī aur Saraṭān-i-Mi'da ki Taa'reef, Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīs, Tashkhīs Fāriqa aur 'Ilāj ka tajziya karein)	CAN	MK	KH	L, L&PPT	VV-Viva, P-VIVA, QZ	F&S	1	-	LH
CO5	Demonstrate accurate and safe insertion of Ryle's tube (Ambub-Ryle ke durust aur mehfooz Idkhaal ka muzahirah)	PSY-GUD	DK	SH	SIM, L_VC	P-EXAM, P-PRF, P-VIVA	F	1	-	NLHP17.1
CO6, CO7	Develop multidisciplinary care, treatment options and education plan for the family members and patients of Gastritis, Gastric and Duodenal ulcer and Carcinoma of stomach (Iltehāb-i-Mi'da, Qurūḥ-i-Mi'da-wa-lthnā 'Asharī aur Saraṭān-i-Mi'da ke marizon ke khandani membran ke liye kaseer-al-zaabtah nigehtasht, l'laj ke akhtyarat or ta'limi mansubah tayyar karein)	AFT-VAL	DK	SH	RP, EDU, PER	P-MOD, P-POS, P-RP	F	1	-	NLHT17.2
CO5, CO7	Develop proficiency in abdominal paracentesis with accurate technique and safety (Bazl-al-Maa Batani ki durust aur mehfooz takneek mein maharat hasil karein)	PSY-GUD	NK	SH	L_VC, SIM	DOPS, P-EXAM, P-VIVA, DOPS	F	1	-	NLHP17.2
CO2	Describe Surgical anatomy of the small intestine (Am'ā'-i-Saghīrā ki Tashrīḥ-i-Jarāhi ko bayan karein)	CK	MK	K	L_VC, L&PPT, , L	P-VIVA, CL-PR, VV-Viva	F&S	1	V-TB	LH

CO2	Explain the etiology, clinical features, investigations, diagnosis, differential diagnosis, and management of Crohn's disease and Intestinal tuberculosis (Marz-i-Karoon aur Tadarrun-i-Ama'a ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīs, Tashkhīs Fāriqa aur 'Ilāj ko bayan karein)	CC	MK	KH	L_VC, L&PPT, L	VV-Viva, M-CHT, M-POS	F&S	1	-	LH
CO2	Describe Intestinal tumours its Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment (Sal'at-i-Am'ā ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīs Fāriqa aur 'Ilāj ki wazahat karein)	CK	MK	KH	L&PPT, L, L_VC	VV-Viva, QZ, CL-PR	F&S	1	-	LH
CO1, CO7	Develop an understanding of contemporary dietary habits and their consequences in Crohn's disease and Intestinal tumors incorporating evidence-based practices and effectively communicating this knowledge to peers (Marz-i- karoon aur Sal'at-i-Am'a mein a'sri ghizai aadat aur unke nataij ke bare mein saboot par mabni tareeqon ko shamil kiya jaye aur iske l'im ko mo'assar tareeqe se atibba aur talba tak puhnchaya jaye)	AFT-VAL	DK	KH	BL, LS, EDU	M-POS, M-CHT	F	1	-	NLHT17.3
CO2, CO5	Illustrate the use of imaging modalities (X-ray abdomen, USG whole abdomen, CT scan abdomen, MRI scan abdomen) for basic abdominal pathologies, focusing on appropriate referral protocols [Munasaib Hawalah jati protokol par tawajjah markooz karte hue, Batn ki Buniyadi marziyat ke liye Takneeki Tasveer (Batn ki Tasvīr-i-Shu'aai, Faeq-al-Saut Batni, Batn ka CT scan, Tasveer-i-Renan Maqnatīsi) ke iste'mal ki misal dein]	PSY-GUD	MK	SH	X-Ray, L_VC, CBL	P-VIVA, OSPE, P-EXAM	F	1	-	NLHP17.3

CO2	Explain Surgical anatomy of Large intestine (Am'ā'-i-Kabeera ki Tashrīḥ-i-Jarāḥi ko bayan karein)	CC	MK	K	L, L_VC, L&PPT	CL-PR, QZ , VV-Viva	F&S	1	V-TB	LH
CO2, CO5	Explain Ulcerative Colitis its Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment(Ilthāb-i-Qauloon Taqarruhi ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ko bayan karein)	CC	MK	KH	L, L&PPT , L_VC	VV-Viva, T- OBT, CL-PR	F&S	1	-	LH
CO3, CO5, CO7	Educate patients on lifestyle modifications, prevention of complications of Ulcerative Colitis, and diet counseling (Marizon ko tarz-e-zindagi mein tabdiliyon, Ilthāb-i-Qauloon Taqarruhi ki pechedgiyon ki rok tham aur ghiza ki mushavrat se aagah karein)	AFT- VAL	DK	SH	BL, EDU, LS	M-CHT, M- POS, PRN	F	1	-	NLHP17. 4
CO2, CO5	Describe Intestinal Obstruction its Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment (Insidād-i-Am'ā' ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CC	MK	KH	L, L_VC, L&PPT	T-CS, VV- Viva, CL-PR	F&S	1	-	LH
CO2, CO5	Describe the Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment Sigmoid Volvulus and Intussusception (Infetāl-i-Seeni aur Inghilaf-i-Mewi ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CC	MK	KH	L_VC, L&GD, L&PPT , L	VV-Viva, QZ , T-CS	F&S	1	-	LH
CO5, CO7	Develop critical thinking and problem-solving skills to diagnose and refer complicated cases of Intestinal obstruction to higher centers. (Insidād-i-Am'ā' ke pecheedah halaat ki	CE	MK	KH	DIS, BS	P-POS, C-VC	F	1	-	NLHP17. 5

	tashkhis or aali marakaz ko rifer karne ke liye tanqeedi soch or maslae hal karne ke tareeqon ko tayyar karein)									
CO2, CO5, CO7	Interpret the methods of clinical examination and investigations in acute and chronic abdominal conditions (Batan ki haad aur muzmin halton mein tafateesh aur sareeri imtehaan ke tareeqon ki tatbeeq)	CAN	MK	KH	CBL, PSM, X-Ray	T-CS, P-VIVA, P-PRF	F&S	1	-	NLHT17.4
CO2	Explain the Surgical anatomy of Appendix (Zaeda Awar ki Tashrīḥ-i-Jarāhi ko bayan karein)	CC	MK	K	L&PPT, L, L_VC	P-VIVA, PRN, VV-Viva	F&S	1	V-TB	LH
CO2, CO5	Describe Appendicitis its Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment (Iltihab Zaeda Awar ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ko bayan karein)	CC	MK	KH	L&PPT, L_VC, L	P-VIVA, S-LAQ, T-CS	F&S	1	-	LH
CO2, CO5, CO7	Analyze the definitions, causes, and clinical features of Appendicular mass and Appendicular abscess and their distinguishing characteristics. (Katla-i-Zaidi A'war aur Dubaila Zāyedi A'war ki Taa'reef, Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīs, 'Ilāj aur imtyazi khusoosiyat ka tajziya karein)	CAN	MK	KH	L, L_VC, L&PPT	CL-PR, P-EXAM	F&S	1	-	LH
CO2, CO5, CO6	Recognize the potential complications during and post appendectomy. Identify anatomical structures and surgical steps by observation of Appendectomy (Qata'-i-Zayeda A'war).	CC	DK	KH	PT, EDU, D	P-VIVA, S-LAQ, PRN	F&S	1	-	NLHP17.6

CO2	Explain the Surgical Anatomy of Stomach (Mi'da ki Tashrīh-i-Jarāhi bayan karein)	CC	MK	K	L&GD, L&PPT , L	S-LAQ, PP- Practical, VV- Viva	F&S	1	V-TB	LH
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT17.1	Principles of management of esophageal disorders (Amraz-e-Marī ka Usool-e-'Ilaj)	<p>TUT, SY (2 hours)</p> <p>The teacher will ask the student to compile the information and discuss it in a symposium to clarify complex concepts and understand the importance of lifestyle modifications and the holistic approach of Unani medicine.</p>								
NLHT17.2	Approach to Multidisciplinary Care of patients of Gastritis, Gastric and Duodenal ulcer and Carcinoma of stomach (Iltehāb-i-Mi'da, Qurūḥ-i-Mi'da-wa-lthnā 'Ashaarī aur Saraṭān-i-Mi'da ke marizon ki kaseer-al-zaabtah nigehtasht ka nuqatah-e-nazar)	<p>RP, EDU, PER (2 hours)</p> <p>The teacher will deliver a comprehensive overview of multidisciplinary care, treatment options, and education plans encouraging students to contribute their ideas to develop innovative ideas and propose awareness programs.</p>								
NLHT17.3	Contemporary dietary habits in Crohn's disease and Intestinal tumors (Marz-i- karoon aur Sal'at-i-Am'a mein a'sri ghizai aadat)	<p>EDU, BL, LS (2 hours)</p> <p>The teacher will guide the students in exploring the literary materials on the etiopathology of Crohn's disease and Intestinal tumors and the relation between dietary habits and disease, utilizing edutainment and blended learning.</p>								
NLHT17.4	Methods of examination in acute and chronic abdominal conditions (Batan ke haad aur muzmin halton ke imtehaan ka tareeqah kar)	<p>CBL, PSM , X-ray (2 hours)</p>								

		The teacher will deliver comprehensive instruction on clinical presentations and relevant examinations for various abdominal conditions, illustrating key concepts through structured case studies, problem-solving exercises, and X-rays.
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP17.1	Ryle's tube insertion (Ambub-Ryle ka Idkhaal)	<p>SIM, L_VC (3 hours)</p> <p>The teacher will explain the indications, procedure, complications, and clinical relevance of Ryle's tube insertion and demonstrate on simulator. If the simulator is not available the objective will be achieved with the help of videos.</p>
NLHP17.2	Technique and safety in abdominal paracentesis (Bazl-al-Maa Batani ki durust aur mehfooz takneek)	<p>SIM, L_VC (3 hours)</p> <p>The teacher will conduct a simulated demonstration of abdominal paracentesis, illustrating optimal technique and highlighting essential safety checks. If simulators are unavailable, the objectives will be achieved using videos.</p>
NLHP17.3	Interpretation of Imaging techniques (Takneeki tasveer ki mutabiqat)	<p>L_VC, PBL, CBL, X-Ray (3 hours)</p> <p>The teacher will enlist indications for radiological investigations, preparations, and blood investigations required for the procedures. The teacher will ensure case-based discussion, encourage case taking, clinical examination, complete examination as per protocol, and refer the patient in time.</p>

NLHP17.4	Lifestyle modifications and diet counseling in Ulcerative Colitis (Iltehāb-i-Qauloon Taqarruhi mein Tarz-e-zindagi mein tabdiliyon aur ghiza ki mushavrat)	EDU, BL, LS (3 hours) The teacher will guide the students in exploring the literary materials on lifestyle modifications, prevention of complications of Ulcerative Colitis, and the relation between dietary habits and disease, utilizing edutainment and blended learning and effectively communicating this knowledge to peers.
NLHP17.5	Critical complications and referral protocols of Intestinal obstruction (Insidād-i-Am'ā ki aham pecheedgiyan or hawalah jati protokol)	DIS, BS (2 hours) The teacher will teach the critical complications of Intestinal obstruction cases in detail and the student will analyze emergencies and understand the referral protocols.
NLHP17.6	Complications of Appendicectomy (Qata'-i-Zayeda A'war ke 'Awarizat)	EDU, PT, D (2 hours) The teacher will provide a detailed explanation of the Appendicectomy procedure, including potential complications that may arise during and after surgery, with the help of edutainment, demonstration, or the actual procedure.

Topic 18 مقعد و قنات مبرز MAQ'AD-WA-QANĀT-I-MABRAZ (RECTUM AND ANAL CANAL) (LH : 11, NLHT: 6, NLHP: 14 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1, CO3	Explain the Surgical Anatomy of Rectum and Anal Canal (Maq'ad-wa-Qanāt-i-Mabraz ki Tashrīḥ-i-Jarāhi ko bayan karein)	CC	DK	K	L&GD, L&PPT, L	PP-Practical, VV-Viva	F&S	2	-	LH

CO2	Explain the Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment of Fissure in Ano, Fistula-in-Ano, Pilonidal Sinus, Haemorrhoid, Rectal Polyps, Rectal Prolapse, Anorectal Abscess and Carcinoma of Rectum (Shiqaq-al-Maq'ad, Nasūr-i-Maq'ad, Jaib-i-sh'ari, Bawāsīr-i-Maq'ad, Saulool Ma'y-i-Mustaqīm, Khurūj-i-Maq'ad, Khuraj'-i- Mabrazi Mustaqīmi aur Saraṭān-i-Maq'ad ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur unka 'Ilāj bayan karein)	CC	MK	K	L&PPT, L_VC, L	VV-Viva, S-LAQ, PP-Practical	F&S	2	-	LH
CO2	Demonstrate the correct technique for performing Per rectal examination (Mu'aiina-i-Barah-i-Maqad ko anjaam dene ke laye sahi takneek ka muzahirah karein)	CAP	MK	KH	D, SIM	P-EXAM, P-VIVA	F&S	2	-	NLHP18.1
CO2, CO5	Explain the correct technique for performing Per rectal examination (Mu'aiina-i-Barah-i-Maqad ko karne ki saheeh takneek bayan karein)	CC	MK	K	TPW, TUT, L_VC	PP-Practical, VV-Viva	F	2	-	NLHT18.1
CO2, CO3	Observation of Anal Dilatation, Haemorrhoidectomy, Ligation of Haemorrhoids/ Barron's Banding, Fistulectomy, Fissurectomy and Tissue Biopsy (Tausee'-i-Maq'ad, Qata'-i-Bawaseer, Hazm-al-Bawaseer, Qata'-i-Nawaseer, Qata'-i-Shiqaq-al-Maqa'd, Khaza'-i-Ansaja ka mushahida kia jae)	CAP	MK	KH	L_VC, D, SIM	P-VIVA, P-EXAM	F&S	2	-	NLHP18.2
CO2, CO3	Observation of Seton Therapy/ Placement of thread in Fistulous tract (Al- khait-fi-al-Nasoor/ Amal-i-Khuzām ka mushahida kia jae)	CAP	MK	KH	L_VC, SIM, D	P-EXAM, P-VIVA	F	2	-	NLHP18.3

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT18.1	Per rectal examination (Mu'aiina-i-Barah-i-Maqad)	<p>TUT, TPW, L_VC (6 hours)</p> <p>The Teacher will demonstrate Per rectal examination with the help of Lecture and Video clips.(2 hours)</p> <p>The teacher will divide the class into different groups and allot tutorials/projects to help the students understand the correct technique of per rectal examination, which may include obtaining patients' consent, ethical considerations, patient preparation, inspection, methods of digital examination, assessment of sphincter tone and spasm, examination of the rectal wall, and associated pathological conditions. (2 hours)</p> <p>The Teacher will divide the students into groups to facilitate group discussion on the importance of Per rectal examination, its limitations and potential challenges. (2 hours)</p>
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP18.1	Per rectal examination (Mu'aiina-i-Barah-i-Maqad)	<p>SIM, D (2 hours)</p> <p>The teacher will demonstrate the correct method of rectal examination on the patient. If the patient is not available, the same will be demonstrated on a simulator or with the help of a video clip. This must include ethical considerations, patient positioning, preparation, digital examination, and proctoscopic examination.</p>

<p>NLHP18.2</p>	<p>Anal Dilatation, Haemorrhoidectomy, Ligation of Haemorrhoids/ Barron's Banding, Fistulectomy, Fissurectomy and Tissue Biopsy (Tausee'-i-Maq'ad, Qata'-i-Bawaseer, Hazm-al-Bawaseer, Qata'-i-Nawaseer, Qata'-i-Shiqaq-al-Maqa'd, Khaza'-i-Ansaja)</p>	<p>L_VC , SIM ,D (7 hours)</p> <p>The students will visit the operation theater in groups, where the students will observe the procedure of Anal Dilatation. If the patient is unavailable, the same will be demonstrated using simulators or video clips. (1 hour)</p> <p>The students will visit the operation theater in groups, where the students will observe the procedure of Haemorrhoidectomy stepwise. If the patient is unavailable, the same will be demonstrated using simulators or video clips. (2 hours)</p> <p>The students will visit the operation theater in groups, where the students will observe the procedure of Barron's Banding. If the patient is unavailable, the same will be demonstrated using simulators or video clips. (1 hour)</p> <p>The students will visit the operation theater in groups, where the students will observe the procedure of Fistulectomy stepwise. If the patient is unavailable, the same will be demonstrated using simulators or video clips. (1 hour)</p> <p>The students will visit the operation theater in groups, where the students will observe the procedure of Fissurectomy stepwise. If the patient is unavailable, the same will be demonstrated using simulators or video clips. (1 hour)</p>
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		The students will visit the operation theater in groups, where the students will observe the procedure of Tissue Biopsy. If the patient is unavailable, the same will be demonstrated using simulators or video clips. (1 hour)
NLHP18.3	Seton Therapy/Placement of thread in Fistula tract (Al- khait-fi-al-Nasoor/ Amal-i-Khuzām)	<p>L_VC, SIM, D (5 hours)</p> <p>The Teacher will demonstrate Seton Therapy/ Placement of thread in Fistulous tract with the help of Video clips or on Simulator. (2 hours)</p> <p>The students will visit the operation theatre in groups, where the students will observe the procedure stepwise. (2 hours)</p> <p>The students will practice the same on Simulator. (1 hour)</p>

Topic 19 **بَرِيْتُون** **BĀRITŪN (PERITONEUM)** (LH : 2, NLHT: 1, NLHP: 4 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2	Describe Peritonitis its Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment (Iltihab-i-Bāritūn ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CK	MK	K	L&PPT , L, L_VC	PP-Practical, VV-Viva	F&S	2	-	LH
CO1, CO2, CO3	Demonstrate the correct sequence of Basic Life Support on a simulator (Simulator par Bunyadi Hayati Imdad ki saheeh tarteeb ki wazahat karein)	CAP	MK	KH	SIM, D, KL	P-EXAM, P- VIVA	F&S	2	-	NLHP19. 1
CO1, CO2, CO3	Explain the correct technique and sequential steps of Basic Life Support-BLS (Bunyadi Hayati Imdad ki saheeh takneek aur uske tarteebwar aqdam ko wazeh karein)	CC	MK	K	TPW, LS, TUT	P-VIVA, P-RP, P-EXAM, QZ , P-POS	F	2	-	NLHT19. 1

Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT19.1	Basic Life Support-BLS (Bunyadi Hayati Imdad)	<p>TUT, TPW, LS (1 hour)</p> <p>The teacher will divide the students into multiple groups to ensure their participation in different engaging activities to understand the concept of Basic Life Support-BLS.</p>								
Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
NLHP19.1	Basic Life Support (Bunyadi Hayati Imdad)	<p>SIM, D, KL (4 hours)</p> <p>The teacher demonstrates the correct technique of Basic Life Support (BLS) steps on a simulator, including assessment of patient's responsiveness, performing chest compressions, airway management, and delivering rescue breaths, adhering to standardized protocols to stabilize the patient effectively. (2 hours)</p> <p>The Teacher will divide the students in groups and they will practice the same on steps on a simulator. (2 hours)</p>								
Topic 20 كبد و مراره KABID WA MARARA (LIVER AND GALL BLADDER) (LH : 6, NLHT: 4, NLHP: 4 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2	Explain Surgical Anatomy of Liver and Gall bladder (Kabid wa Marāra ki Tashrīḥ-i-Jarāḥi ko bayan karein)	CC	MK	K	L_VC, L,	VV-Viva, PP- Practical	F&S	2	-	LH

					L&GD, L&PPT					
CO2	Demonstrate each step of Cholecystectomy (Qata'-i-Marāra ke sabhi aqdam ki wazahat karein)	CAP	DK	KH	D, L_VC	P-VIVA, P- EXAM	F&S	2	-	NLHP20. 1
CO2, CO3	Explain the Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment of Liver Abscess, Choledocholithiasis, Empyema Gallbladder, Mucocele of the Gallbladder and Oesophageal Varices (Dubaila-i-Kabid, Hasāt-i-Majra-i-Marāra-Mushtarak, Marāra-i-Sadeedi, Qeela-i-Mukhatiya Marāra, Dawaliya-i-Mari ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CC	MK	K	L_VC, L, L&PPT	PP-Practical, VV-Viva	F&S	2	-	LH
CO2	Compare the Unani concept and the modern concept of Cholelithiasis (Hasāt-i-Marāra ke Unani aur Jadeed nazariyat ka muwazna karein)	CAN	DK	KH	TUT, LS, DIS	QZ , M-POS, COM, VV- Viva, M-CHT	F	2	-	NLHT20. 1
CO2, CO3	Explain the Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment of Cholecystitis and Cholelithiasis (Iltehāb-i- Marāra aur Hasāt-i-Marāra ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj bayan karein)	CC	MK	K	L&PPT , L_VC	VV-Viva, PP- Practical	F&S	2	-	LH
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT20.1	Concept of Cholelithiasis (Hasāt-i-Marāra ka nazaria)	LS, TUT, DIS (4 hours)								

		<p>Students will visit the library in groups to make a literature review through the reading of classical reference books to understand the Unani concept of Cholelithiasis and will make a comparison with the modern concept. (2 hours)</p> <p>The Teacher can develop a Quiz to assess the knowledge of students regarding Unani and the Modern concept of Cholelithiasis. (2 hours)</p>
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP20.1	Cholecystectomy (Qata'-i-Marāra)	<p>L_VC, D (4 hours)</p> <p>The student will be taken to the operation theater, where the teacher will demonstrate each step of Qata'-i-Marāra including preparation, identification of the gallbladder and surrounding structures, safe handling of instruments, and excision technique. if the patient is not available then the same will be demonstrated with the help of a video clip. (2 hours)</p> <p>The Teacher can assign students case study of patient undergoing cholecystectomy and ask them to research and present on the indications, surgical technique and post operative care. (2 hours)</p>
Topic 21 بانقراس BANQARĀS (PANCREAS) (LH : 3, NLHT: 2, NLHP: 8 hours)		
A3	B3	C3
		D3
		E3
		F3
		G3
		H3
		I3
		J3
		K3

CO2	Explain the Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment of Pancreatitis and Carcinoma of Pancreas (Iltehāb-i-Banqarās aur Saraṭān-i-Banqarās ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa wa 'Ilāj ko bayan karein)	CC	MK	K	L, L&GD, L&PPT	VV-Viva, PP-Practical	F&S	2	-	LH
CO2, CO5	Summarise the History taking of patients of different systems (Mareez ki Mukhtalif Nizamhai badani ki Rudad ka ijmalī ta'rūf bayan karein)	CC	MK	D	L_VC, CBL, RP	P-EXAM, P-CASE, P-VIVA	F&S	2	-	NLHP21.1
CO2, CO5	Demonstrate a well-organized case presentation (Marz ke ta'rūf ka mukammal aur wazeh tareeqa bayan karein)	CAP	MK	K	CBL, PER	PP-Practical, VV-Viva	F	2	-	NLHT21.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT21.1	Case presentation (Marz ka ta'rūf)	<p>CBL, PER (2 hours)</p> <p>The students will visit the attached hospital in groups to take a well-organized case history to be presented in class highlighting the chief complaints, history of present illness, clinical findings, local examination, differential diagnosis, and management plan, using clear medical terminology and logical flow to facilitate peer understanding and clinical reasoning.</p>

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP21.1	History taking of different systems (Mukhtalif Nizamhai badani ki Rudad)	L_VC, CBL, RP (8 hours)

		<p>The student will visit an associated hospital and take a well-organized and structured case summary record and document it in the form of a case sheet for short cases of different surgical diseases, highlighting the chief complaint, history of present illness, clinical findings, provisional diagnosis, differential diagnosis using clear medical terminology and logical flow to facilitate peer understanding and clinical reasoning. (3 hours)</p> <p>The student will visit an associated hospital and take a well-organized and structured case summary record and document it in the form of a case sheet for long cases of different surgical diseases, highlighting the chief complaint, history of present illness, clinical findings, provisional diagnosis, differential diagnosis using clear medical terminology and logical flow to facilitate peer understanding and clinical reasoning. (5 hours)</p>
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Topic 22 **تِيهَال (SPLEEN)** (LH : 3, NLHT: 2, NLHP: 4 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2	Explain the Surgical Anatomy of Spleen (Tihāl ki Tashrīḥ-i-Jarāḥi ko bayan karein)	CC	MK	K	L&PPT, L&GD, L	PP-Practical, S-LAQ, VV-Viva	F&S	2	-	LH
CO4	Demonstrate the correct handling and application of Essential Surgical instruments (Zaroori Aalat-i-Jarahiyah ko pakadne aur iste'mal karne ke saheeh tareeqe ki aur mawaqe' iste'mal ki wazahat karein)	CAP	MK	K	DIS, PER, D	P-VIVA, P-EXAM	F	2	-	NLHP22.1

CO4	Illustrate the correct handling and application of Surgical instruments (Aalat-i-Jarahiyah ko saheeh tareeqe se pakadne ki misal dein aur unke mawaqe' iste'mal ki wazahat karein)	CC	MK	K	TUT, TPW, LS	PP-Practical, P-POS, M-CHT, M-POS, VV-Viva	F	2	-	NLHT22.1
CO2, CO3	Describe the Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment of Injury of Spleen (Zarbi-Tihāl ke Asbāb, 'Alāmāt wa Nishaniyan, Taffīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CK	MK	K	L_VC, L, L&PPT	VV-Viva, PP-Practical	F&S	2	-	LH

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT22.1	Handling and application of Surgical instruments (Aalat-i-Jarahiyah ko saheeh tareeqe se pakadna aur unke mawaqe' iste'mal)	<p>TUT, TPW,LS (2 hours)</p> <p>The students will be divided into different groups, and a suitable project will be assigned to each group to help them understand the correct handling and application of essential Aalat-i-Jarahiyah, including proper grip technique and usage, to perform basic surgical tasks accurately while maintaining aseptic technique in a simulated surgical practice setting.</p>

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP22.1	Surgical instruments (Aalat-i-Jarahiyah)	<p>DIS, PER, D (4 hours)</p> <p>The teacher will demonstrate the correct handling and application of Essential Surgical instruments including proper grip, positioning, and</p>

		usage techniques, to perform basic surgical tasks accurately maintaining aseptic technique. (2 hours)
		The Teacher will divide the students in groups and they will practice the same in a simulated surgical practice setting. (2 hours)

Topic 23 دیا فرغنا **DIAPHRAGHMA (DIAPHRAGM)** (LH : 2, NLHT: 1, NLHP: 4 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO4	Explain the various types of Suturing material by examining their physical characteristic features and the correct technique for Suturing (Samaan-i-Khayatat ke Mukhtalif aqam ki jismani khusoosiyat aur Tareeqa-i-Khayatat ki sahi takneek ka jaizah le kar wazahat karein)	CC	MK	K	TUT, LS, DIS, L_VC	VV-Viva, PP- Practical	F	2	-	NLHT23. 1
CO2	Explain the Surgical Anatomy of Spleen and indications of Splenectomy (Tihāl ki Tashrīḥ-i-Jarāḥi aur Qat'a-i-Tihāl ke mawaqe' iste'mal ko bayan karein)	CC	NK	K	L&GD, L, L&PPT	VV-Viva, PP- Practical	F&S	2	-	LH
CO4	Demonstrate the various types of Suture material and Suturing techniques (Mukhtalif qism ke Ashya-i-Khayatat aur Tareeqa-i-Khayatat ki wazahat karein)	CAP	MK	K	D, SIM, L_VC	P-EXAM, PP- Practical, VV- Viva	F	2	-	NLHP23. 1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT23.1	Various types of Suturing material (Samaan-i-Khayatat ke Mukhtalif aqam)	L_VC, TUT, DIS, LS (1 hour)

		The student should be allotted tutorials for the easy identification of the various types of Ashya-i-Khayatat by examining their physical characteristic features along with their appropriate uses and selection of Ashya-i-Khayatat for different surgical conditions. The students should also make a summary of different Tareeqa-i-Khayatat to make a comparison between modern and ancient techniques of wound closure.
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Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP23.1	Suture material and Suturing techniques (Ashya-i-Khayatat aur Tareeqa-i-Khayatat)	<p>L_VC, D, SIM (4 hours)</p> <p>The Teacher will show different types of Suture materials and different types of suturing techniques including accurate needle insertion, tissue handling and knot tying while ensuring proper tension, alignment, and minimizing tissue trauma for effective wound closure through videos, in OT on patient or on Suture trainer Simulator. (2 hours)</p> <p>The Students individually will practice the same on a Suture trainer Simulator. (2 hours)</p>

Topic 24 فَتَق (HERNIA) (LH : 3, NLHT: 2, NLHP: 4 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2	Describe the Surgical Anatomy of Inguinal canal and Explain the General classification, Clinical features, Investigations, Differential diagnosis and Treatment of Hernia and Inguinal Hernia (Qana'at-i-Urbi ki Tashreeh-i- Jarāhi ko bayan karein	CK	MK	K	L&PPT , L, L_VC, L&GD	PP-Practical, VV-Viva	F	2	-	LH

	aur Fatq aur Fatq Qana'at-i-Urbi ki 'Aam Darjabandi, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)									
CO2	Explain the key steps of Operations of Hernia (Jarahat-i-Fatq ke makhsos iqdamat ki wazahat karein)	CAP	MK	K	D, SIM, D-M, L_VC	PP-Practical, VV-Viva, P-EXAM	F&S	2	-	NLHP24.1
CO2	Explain the examination of Hernia (Fatq ke muaine ki wazahat karein)	CC	MK	K	CD, LS, TUT, DIS, KL	VV-Viva, PP-Practical, PRN	F&S	2	-	NLHT24.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT24.1	Examination of Hernia (Fatq ka muaina)	<p>TUT, DIS, KL (2 hours)</p> <p>The students shall be divided into different groups and should be allocated different engaging activities to make them understand the correct techniques and methods for the clinical examination of different cases of Hernia.</p>

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP24.1	Operations of Hernia (Jarahat-i-Fatq)	<p>L_VC, SIM, D-M, D (4 hours)</p> <p>The teacher will demonstrate the key steps of operations of Hernia with video clips, mannequins, simulator or on patient. (2 hours)</p>

		The students will be taken to the operation theatre in small groups where they will observe the key steps of Jarahat-i-Fatq, including preparation, patient positioning, identification of hernia sac and anatomical structures, careful tissue dissection and techniques for hernia repair, to understand surgical principles and strategies for minimizing complications./ The students can practice the same steps on mannequins or simulator. (2 hours)
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Topic 25 مبحث کلوئی ہولی **MABHAS-I- KULWI BAULI (NEPHRO UROLOGY)** (LH : 11, NLHT: 8, NLHP: 15 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2	Analyse the Congenital anomalies and Classify Injuries of Kidney (Kuliya ki Khalqi bad wazaian ka tajziya aur Zarat e kuliya ki darjabandi ki wazahat karein)	CK	MK	K	EDU, DIS	PRN, T-OBT	F&S	3	-	NLHT25.1
CO3, CO4, CO6	Explain Definition, Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment of Renal Calculi, Polycystic Kidney disease, Hydronephrosis, Pyelonephritis and Tuberculosis of the Kidney (Hasāt-i-Kuliya, Akyās-i-Kuliya, Mā'ul Kuliya, Iltehāb-i-Kuliya wa Hauz-i-Kuliya, Tadarrun-i-Kuliya ki Ta'arīf, Asbab, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CE	MK	KH	L&PPT, L, PrBL, CBL, L_VC	PRN, T-OBT	F&S	3	-	LH
CO4	Demonstrate Catheterization in both Male and Female (Mardana aur Zanana Amal-i-Qasateer ke tareeqe ko bayan karein)	PSY-MEC	MK	SH	D, L_VC, SIM	P-PRF, P-VIVA	F&S	3	-	NLHP25.1

CO3, CO4, CO6	Explain Cystitis, Diverticulum of Urinary bladder, Vesical Calculi, Tumours of Urinary Bladder their Definition, Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment (Iltehāb-i-Masana, E'vijāj-i-Masana, Hasāt-i-Masana, Sal'at i-Masana ki Ta'arīf, Asbab, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CE	MK	KH	L, L_VC, L&PPT	T-OBT, P-VIVA	F&S	3	-	LH
CO3, CO4, CO6	Explain Definition, Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment of Urethritis, Urethral stricture, Hypospadias, Epispadias (Iltehāb-i-Majra-i-Baul, Tazayyuq Majra-i-Baul, Ehleel-i-Tehtāni, Ehleel-i-fauqāni ki Ta'arīf, Asbab, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CE	MK	KH	L, L&PPT , L_VC	T-CS, T-OBT	F&S	3	-	LH
CO2	Define Ureteric Calculi, its Definition, Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment (Hasāt-i-halibain ki Ta'arīf, Asbab, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CK	MK	K	L_VC, L&PPT , L	P-VIVA, T-OBT	F&S	3	-	LH
CO2	Define the Surgical anatomy of Kidneys (Kuliya ki Tashrīḥ-i-Jarāḥi ko bayan karein)	CK	DK	K	L&PPT , L	T-OBT	F&S	3	V-TB	LH
CO2	Define the Surgical Anatomy of the Urinary Bladder (Masana ki Tashrīḥ-i- Jarāḥi ko bayan karein)	CK	NK	K	L	T-OBT	F&S	3	V-TB	LH
CO1, CO7	Develop an understanding of contemporary dietary precautions in renal diseases incorporating evidence-based practices and effectively communicating this knowledge to	AFT- VAL	DK	KH	BL, EDU, LS	M-POS, M- CHT	F	3	-	NLHT25. 2

	peers (Amraz-e-kulliya mein 'asri ghizai ahtiyati tadabeer ke bare mein tafaheem tayyar karein jis mein saboot par mabni tariqon ko shamil kiya jaye or atibba aur talaba tak is 'Ilm ko moassar tariqe se pohnachaya jaye)									
CO1, CO2, CO5, CO7	Develop a management plan for patients with Renal, Urethral, and Bladder diseases integrating pharmacological, surgical, and lifestyle modifications based on the holistic approach of Unani medicine (Tib-e-Unani ke kulli usool, 'Ilaj bil dawa, 'Ilaj bil jarahat aur tarz-e-zindagi ki islaah ko madde nazar rakhte hue Amraz-e-kullia, Amraz-e-majra-e-baul aur Amraz-e-masana ke 'Ilaj ka mansooba waza' karein)	PSY-GUD	MK	KH	SY, TUT	COM, Portfolios, Log book	F	3	-	NLHT25.3
CO2, CO5, CO6	Explain the steps of Urethral Dilatation (Tausee'-i-Ahleeli ke tarteebwar aqdam ki wazahat karein)	CC	DK	KH	L_VC	P-VIVA, S-LAQ	F	3	-	NLHP25.2
CO2, CO5	Discuss the application of radiographic imaging (Intravenous urogram) in urinary diseases, highlighting referral protocols for urinary system disorders [Amraz-e-baul ke Tasweer-e-shu'ai (Daroon-e-vareedi tasweer majra-e-baul) ke itlaq par behes kijiye jismein Amraz-e-Nizam-e-Baul ke liye hawalah jati protokol ke tibbi jayezah ko numayan kiya gaya ho]	PSY-GUD	MK	SH	CBL, L_VC, X-Ray, PBL	OSPE, P-EXAM	F	3	-	NLHP25.3
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT25.1	Congenital anomalies and Injuries of Kidney (Kuliya ki Khalqi bad wazaian aur Zarbat e kuliya)	TUT, DIS, EDU (2 hours)								

		The teacher will facilitate a group discussion to educate students on congenital anomalies and injuries of the kidney, supplemented by tutorial presentations and visual aids to illustrate key concepts.
NLHT25.2	Understanding of contemporary dietary habits in Renal diseases (Amraz-e-kulliya mein ghizai aadat ki 'asri tafheem)	EDU, BL, LS (3 hours) The teacher will guide the students in exploring the literary materials on the etiopathology of Renal diseases and the relation between dietary habits and disease, utilizing edutainment and blended learning.
NLHT25.3	Principles of management of Renal, Urethral, and bladder diseases (Amraz-e-kullia, Amraz-e-majra-e-baul aur Amraz-e-masana ka Usool-e-'Ilaj)	TUT, SY (3 hours) The teacher will ask the student to compile the information and discuss it in a symposium to clarify complex concepts and understand the importance of lifestyle modifications and the holistic approach of Unani medicine.
Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP25.1	Catheterization (Amal-i-Qasateer)	L_VC, SIM, D (5 hours) The Teacher will explain the steps involved in catheterization, emphasizing the importance of maintaining asepsis and patient dignity. (1 hour) The Teacher will demonstrate catheterization through video clips, on mannequin, simulation model or on patient. (2 hours)

		Students will then practice catheterization on mannequin/ simulation model under supervision. (2 hours)
NLHP25.2	Urethral Dilatation (Tausee'-i-Ahleeli)	<p>EDU, PT, D (5 hours)</p> <p>The teacher will provide a detailed explanation of the indications, contraindications and complications of urethral dilatation. (1 hour)</p> <p>Students will observe the procedure. The objective will be achieved with the help of edutainment, demonstration, simulator or the actual procedure on patient. (2 hours)</p> <p>The students can practice the procedure of urethral dilatation individually on model, mannequin or simulator. (2 hours)</p>
NLHP25.3	Interpretation of radiographic imaging (Intravenous urogram) in urinary tract diseases [Amraz-e-majra-e-baul mein tasweer-e-shu'ai (Tasweer-e-majra-e-baul) ki tatbeeq]	<p>L_VC, PBL, CBL, X-ray (5 hours)</p> <p>The teacher will enlist indications for radiological investigations, preparations, and blood investigations required for the procedure. (1 hour))</p> <p>The Teacher will provide students with a set of Intravenous urogram images and ask them to analyze the images, identifying the structures visualized, any abnormalities or clinical implications. (2 hours)</p> <p>The teacher will ensure case-based discussion, encourage case taking, clinical examination, nature of the injury, complete examination as per protocol, and refer the patient in time. (2 hours)</p>

Topic 26 نیشانی NIZAAM-I-TANAASULI (GENITAL SYSTEM) (LH : 11, NLHT: 5, NLHP: 16 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3, CO5	Explain Benign Enlargement of Prostate its Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment ('Izam Ghudda-i-Mazi Hameeda ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur uska 'Ilāj bayan karein)	CC	MK	KH	L, L&GD, L&PPT	VV-Viva, T-OBT, T-CS	F&S	3	-	LH
CO2, CO5, CO7	Describe the management plan for patients with Benign Enlargement of the Prostate integrating pharmacological, surgical, and lifestyle modifications based on the holistic approach of Unani medicine (Tib-e-Unani ke kulli usool, ilaaj bil dawa, ilaaj bil jarahat aur tarz-e-zindagi ko madde nazar rakhte hue 'Izam Ghudda-i-Mazi Hameeda ke ilaaj ka mansooba waza' karein)	CE	MK	KH	CBL, SY, TUT, LS	M-POS, Log book	F	3	-	NLHT26.1
CO2, CO5, CO6	Describe Varicocele its Definition, Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment (Dawali-i-Saf'n ki Ta'reef, Asbab, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CK	MK	K	L_VC, L&PPT, L, L&GD	T-OBT, T-CS, PRN, P-VIVA, QZ	F&S	3	-	LH
CO2, CO5, CO6	Explain Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment of Phimosi, Paraphimosi and Balanoposthiti (Tazayyuq-i-Ghulfa, Ikhtinaque-i-Ghulfa aur Iltehāb-i-Hashfa wa Ghulfa ki Ta'reef, Asbab, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CK	MK	K	L&PPT, L, L_VC	T-CS, T-OBT	F&S	3	-	LH

CO2, CO5, CO6	Describe Hydrocele and Haematocele their Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment (Qeela-i-Māiyah aur Qeela-i-Damviyah ke Asbab, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ki wazahat karein)	CK	MK	K	L&GD, L&PPT , L	T-OBT, T-CS	F&S	3	-	LH
CO2, CO5	Demonstrate the Congenital Anomalies of Testes (Khusyon ki Khalqi Badwazaian ki wazahat karein)	CK	MK	K	PER, DIS, CBL, D- M, TBL	T-CS, P-SUR	F	3	-	NLHT26. 2
CO3, CO5, CO6	Explain Circumcision (Tatheer-al-Sibyan/ Khatna ki wazahat karein)	CE	MK	SH	L_VC, DIS, SIM	P-RP, P-VIVA	F&S	3	-	NLHP26. 1
CO2, CO5	Explain Prostatitis its Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment (Iltehāb-i-Ghudda-i-Mazi ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ko bayan karein)	CC	MK	KH	L&GD, L&PPT , L	CL-PR, T- OBT, P- EXAM, VV- Viva	F&S	3	-	LH
CO2, CO5	Describe Epididymo-orchitis its Aetiology, Clinical features, Investigations, Differential diagnosis and Treatment (Iltehāb-i-Khusya wa Aghdeedoos ke Asbāb, 'Alāmāt wa Nishaniyan, Taftīsh Maṭlūba, Tashkhīṣ Fāriqa aur 'Ilāj ko bayan karein)	CC	MK	KH	L&PPT , L&GD, L	CL-PR, T- OBT, S-LAQ	F&S	3	-	LH
CO3, CO5, CO6	Explain the steps of Operation of Hydrocele (Jarahat-i-Qeela-i-Maiyya ki sabhi iqdam ki wazahat karein)	CC	DK	KH	SIM, TBL, D- M, CBL, D	P-EXAM, P- VIVA, SP	F&S	3	-	NLHP26. 2

CO3, CO5, CO6	Explain the examination of Prostate (Ghudda-i-Mazi Ke Mu'aiine ki wazahat karein)	CC	DK	KH	SIM, RP, TBL, D- M, L_VC	P-EXAM, PRN, P-VIVA	F&S	3	-	NLHP26. 3
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Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT26.1	Management of Benign Enlargement of the Prostate ('Izam Ghudda-i-Mazi Hameeda ka usool-e-ilaaj)	<p>TUT, SY, CBL, LS (3 hours)</p> <p>The teacher will ask the student to compile the information and discuss it in a symposium or for tutorials to clarify complex concepts and understand the importance of lifestyle modifications and the holistic approach of Unani medicine in managing Benign Enlargement of the Prostate.</p>
NLHT26.2	Congenital Anomalies of Testes (Khusyon ki Khalqi Badwazaian)	<p>L_VC, DIS, CBL, TBL, PER, D-M (2 hours)</p> <p>The Teacher will explain the Congenital anomalies of testes by creating the interactive diagrams illustrating the normal anatomy of the testes and the different congenital anomalies, or with the help of charts, video clips or models. (1 hour)</p> <p>After this the students will be divided into groups and each group will be assigned a specific congenital anomaly of testes. Have them present their findings, discussing signs and symptoms, diagnosis, treatment options and potential complications. (1 hour)</p>

Non Lecture Hour Practical		
S.No	Name	Description of Practical Activity
NLHP26.1	Circumcision (Tatheer-al-Sibyan/ Khatna)	<p>L_VC, DIS, ECE, SIM (6 hours)</p> <p>The teacher will allow the students to observe the surgical procedure focusing on the techniques, instruments and patient care through videos, on patients or with the help of simulators. (2 hours)</p> <p>After observing the procedure the Teacher may hold a session to discuss what students observed, cultural, historical, religious and scientific significance of circumcision. Any questions they may have regarding the procedure. (2 hours)</p> <p>The students can be divided into small groups to discuss the steps, pre operative and post operative care of Circumcision patient. (2 hours)</p>
NLHP26.2	Operation of Hydrocele (Jarahat-i-Qeela-i-Maiyya)	<p>L_VC, CBL, TBL, ECE, SIM, D-M, D (5 hours)</p> <p>The teacher can provide the students with a diagram of male reproductive system, ask them to label the parts affected by Hydrocele, have them identify the surgical site for a hydrocele operation. (1 hour)</p> <p>The teacher can show steps of operation for hydrocele through videos, simulators or on patients. (2 hours)</p> <p>The students can be divided into small groups for discussion on symptoms, diagnosis, investigations, surgical procedure, steps of the</p>

		surgical procedure, potential complications and post operative care of Hydrocele patient. (2 hours)
NLHP26.3	Examination of Prostate (Ghudda-i-Mazi Ka Mu'aiina)	<p>L_VC, TBL, ECE, SIM, RP, D-M (5 hours)</p> <p>The teacher can show the students how to examine prostate through videos, on mannequin, with the help of prostate examination simulator or on the patient. (1 hour)</p> <p>The teacher can divide the students into pairs, with one playing the role of the doctor and the other as the patient. Students can practice communication skills, patient preparation and the examination procedure through Role-play. (2 hours)</p> <p>The students can practice the same on mannequin, prostate examination simulator or on patient. (2 hours)</p>

Table 4 : NLHT Activity

(*Refer table 3 of similar activity number)

Sr No	CO No	Topic name
1.1	CO1	Contributions of Unani scholars in the field of Ilm-ul-Jarahat (Jarahat ke maidān mein Unani atibba ki aham khidmāt)
2.1	CO2,CO5	Clinical presentation of Wounds and Ulcers (Jurooh wa Qurooh ki sareerei peshkash)
3.1	CO4,CO7	Methods of sterilization ('Amal-i-Tatheer ke Tareeqe)
4.1	CO2,CO5	Clinical presentation of different types of abscess (Khuraj ke mukhtalif aqsaam ka sareeri ta'rruf)
5.1	CO2,CO5	Clinical presentation of Varicose veins of the lower limbs, Raynaud's disease and Buerger's disease (Dawali zerein atraf, Marz-i-Raynaud aur Marz-i-Buerger ka sareeri ta'rruf)
6.1	CO2,CO5	Fractions of Blood (Ajza-i-Dam)
7.1	CO2,CO5	Escharotomy (Qata-e-Khushk Resha)
7.2	CO2,CO5	Fasciotomy (Qata-e-Lafafa)
8.1	CO2,CO5	Types of cautery and their uses (Makwat ke mukhtalif aqsaam aur uske mawaqe' iste'mal)
9.1	CO2	Congenital Anomalies of Breast (Saddyain Ki Khalqi Bad Wazaeyan)
10.1	CO2	Ingrowing Toe Nail (Khafi-al-Azfār)
11.1	CO2	Parenteral Nutrition (Ghair Me'wi Taghziya)
12.1	CO3	Pre-Anaesthetic Assessment (Mu'aina Qabl-i-Takhdeer)
13.1	CO1	Fractures, dislocations, and their management through Unani and modern principles(Tib-e-Unani aur Jadeed Usool-e-'Ilaj ki roshni mein Kasr wa Khal' ke mukhtalif aqsaam aur unka usool-e-'Ilaj)
13.2	CO2	Dislocation of Upper limb and lower limb (Balaī Atrāf ke Khal' aur Zerīn Atrāf ke Khal')
14.1	CO2,CO7	Principles of management of Lymphadenitis (Iltihāb Ghudda-i-Lymphawia ka Usool-e-'Ilāj)
15.1	CO1,CO2,CO5	Differential diagnosis of oral diseases (Amrāz-e-jauf-e-fam ki Tashkhīs Fāriqa)
16.1	CO2,CO5,CO6	Empyema Thoracis (Taqaayyuḥ-al-Ṣadr)
17.1	CO1,CO2,CO5,CO7	Principles of management of esophageal disorders (Amraz-e-Marī ka Usool-e-'Ilaj)

17.2	CO6,CO7	Approach to Multidisciplinary Care of patients of Gastritis, Gastric and Duodenal ulcer and Carcinoma of stomach (Iltehāb-i-Mi'da, Qurūḥ-i-Mi'da-wa-lthnā 'Asharī aur Saraṭān-i-Mi'da ke marizon ki kaseer-al-zaabtah nigehtasht ka nuqatah-e-nazar)
17.3	CO1,CO7	Contemporary dietary habits in Crohn's disease and Intestinal tumors (Marz-i- karoon aur Sal'at-i-Am'a mein a'sri ghizai aadat)
17.4	CO2,CO5,CO7	Methods of examination in acute and chronic abdominal conditions (Batan ke haad aur muzmin halton ke imtehaan ka tareeqah kar)
18.1	CO2,CO5	Per rectal examination (Mu'aiina-i-Barah-i-Maqad)
19.1	CO1,CO2,CO3	Basic Life Support-BLS (Bunyadi Hayati Imdad)
20.1	CO2	Concept of Cholelithiasis (Hasāt-i-Marāra ka nazaria)
21.1	CO2,CO5	Case presentation (Marz ka ta'rurf)
22.1	CO4	Handling and application of Surgical instruments (Aalat-i-Jarahiyah ko saheeh tareeqe se pakadna aur unke mawaqe' iste'mal)
23.1	CO4	Various types of Suturing material (Samaan-i-Khayatat ke Mukhtalif aqsam)
24.1	CO2	Examination of Hernia (Fatq ka muaina)
25.1	CO2	Congenital anomalies and Injuries of Kidney (Kuliya ki Khalqi bad wazaian aur Zabat e kuliya)
25.2	CO1,CO7	Understanding of contemporary dietary habits in Renal diseases (Amraz-e-kulliya mein ghizai aadat ki 'asri tafheem)
25.3	CO1,CO2,CO5,CO7	Principles of management of Renal, Urethral, and bladder diseases (Amraz-e-kullia, Amraz-e-majra-e-baul aur Amraz-e-masana ka Usool-e-'Ilaj)
26.1	CO2,CO5,CO7	Management of Benign Enlargement of the Prostate ('Izam Ghudda-i-Mazi Hameeda ka usool-e-ilaaj)
26.2	CO2,CO5	Congenital Anomalies of Testes (Khusyon ki Khalqi Badwazaian)

Table 5 : List of Practicals

(*Refer table 3 of similar activity number)

Sr No	CO No	Practical Activity details
1.1	CO1,CO4	Uses of surgical Instruments (Aalāt Jarahiyah ke Ist'eymalat)
1.2	CO1,CO4	Ancient and Recent Instruments (Qadeem wa Jadeed Aalāt jarrahiya)
2.1	CO2,CO5	Methods of treatment of wounds and ulcers (Jurooh wa Qurooh ka Tareeqa-i-'Ilāj)
2.2	CO2,CO5	Appropriate steps of Basic wound care (Jurooh ki Bunyadi dekh bhal ke munasib iqdamāt)
3.1	CO1,CO4	Methods of sterilization and their appropriate selection (Amal-i-Tatheer ke tareeqe aur unka munasib intekhab)
4.1	CO2,CO5	Incision and Drainage of Abscess (Khurāj mein shigaf dene ka tareeqa)
5.1	CO1,CO2,CO6,CO7	Para surgical procedures (Mueen-i-Jarahat Tareeqey)
6.1	CO2,CO3,CO5,CO6	Injections(I/M, I/V, S/C, Intradermal) [Amal-i-Ihteqān ('Azli, Vareedi aur Tahtul Jildi)]
6.2	CO2,CO5,CO6	I/V Fluid therapy (Daroon-i-Vareedi Syyāl Ka Tareeqa)
7.1	CO2,CO5	Fluid Resuscitation (Ahya-i- ratoobat)
7.2	CO2,CO5,CO7	Burn Wound Care (Harqi jurooh ki dekh bhal)
8.1	CO2,CO5	Excision of external growth and warts (Qata-e al-Lahm al Zaid aur Qata'-al-Thālil)
8.2	CO2,CO5	Procedure of FNAC, Tapping and Aspiration (Bazl, Masās aur FNAC ke Tareeqe)
9.1	CO2	FNAC of Breast Swelling (Saddyain ke auram ki Bazl aur Masās ka Tareeqa)
9.2	CO2	Examination of Breast (Saddyain ka mu'aiina)
10.1	CO2	Nail Extraction (Ikhraj-e-nakhoon)
11.1	CO3	Parenteral fluid therapy (Moalija-e-Sayyal Me'wi)
12.1	CO2	Cardio-Pulmonary Resuscitation (Ahya-i-Aa'mal-i-Qalb wa Riya)
12.2	CO3	Local anaesthesia (Amal-i-Takhdeer muqami)
12.3	CO3	Pre-Anaesthetic Assessment (Mu'aina Qabl-i-Takhdeer)
13.1	CO1,CO2	Basic bandaging (Ribāt aur Jabeera ke bunyadi tareeqe)
13.2	CO2	Fractures, dislocation, and their basic management (Kasr wa Khala aur unka bunyadi Moalija)
14.1	CO5	Examination of external and Internal injuries of the head (Zāhiri aur Baatni Zabat-i-Ra's ka mu'aiina)
14.2	CO2,CO5	Interpretation of Imaging techniques (Takneeki tasveer ki mutabiqat)

15.1	CO3,CO6,CO7	Awareness of students regarding moral responsibility (Akhlaqi zimmedari ke bare mein Talba ki waqfiyat)
16.1	CO1,CO2,CO5	Pleural paracentesis (Bazl-al-maa janbi)
16.2	CO5,CO7	Interpretation of Chest X-ray reports (Sadr ki Tasvir-i-Shu'aai ki tatbeeq)
17.1	CO5	Ryle's tube insertion (Ambub-Ryle ka Idkhaal)
17.2	CO5,CO7	Technique and safety in abdominal paracentesis (Bazl-al-Maa Batani ki durust aur mehfooz takneek)
17.3	CO2,CO5,CO6	Complications of Appendicectomy (Qata'-i-Zayeda A'war ke 'Awarizat)
17.4	CO2,CO5	Interpretation of Imaging techniques (Takneeki tasveer ki mutabiqat)
17.5	CO3,CO5,CO7	Lifestyle modifications and diet counseling in Ulcerative Colitis (Iltehab-i-Qauloon Taqarruhi mein Tarz-e-zindagi mein tabdiliyon aur ghiza ki mushavrat)
17.6	CO5,CO7	Critical complications and referral protocols of Intestinal obstruction (Insidād-i-Am'ā ki aham pecheedgiyan or hawalah jati protokol)
18.1	CO2	Per rectal examination (Mu'aiina-i-Barah-i-Maqad)
18.2	CO2,CO3	Anal Dilatation, Haemorrhoidectomy, Ligation of Haemorrhoids/ Barron's Banding, Fistulectomy, Fissurectomy and Tissue Biopsy (Tausee'-i-Maq'ad, Qata'-i-Bawaseer, Hazm-al-Bawaseer, Qata'-i-Nawaseer, Qata'-i-Shiqaq-al-Maqa'd, Khaza'-i-Ansaja)
18.3	CO2,CO3	Seton Therapy/Placement of thread in Fistula tract (Al- khait-fi-al-Nasoor/ Amal-i-Khuzām)
19.1	CO1,CO2,CO3	Basic Life Support (Bunyadi Hayati Imdad)
20.1	CO2	Cholecystectomy (Qata'-i-Marāra)
21.1	CO2,CO5	History taking of different systems (Mukhtalif Nizamhai badani ki Rudad)
22.1	CO4	Surgical instruments (Aalat-i-Jarahiyah)
23.1	CO4	Suture material and Suturing techniques (Ashya-i-Khayatat aur Tareeqa-i-Khayatat)
24.1	CO2	Operations of Hernia (Jarahat-i-Fatq)
25.1	CO4	Catheterization (Amal-i-Qasateer)
25.2	CO2,CO5,CO6	Urethral Dilatation (Tausee'-i-Ahleeli)
25.3	CO2,CO5	Interpretation of radiographic imaging (Intravenous urogram) in urinary tract diseases [Amraz-e-majra-e-baul mein tasweer-e-shu'ai (Tasweer-e-majra-e-baul) ki tatbeeq]
26.1	CO3,CO5,CO6	Circumcision (Tatheer-al-Sibyan/ Khatna)
26.2	CO3,CO5,CO6	Operation of Hydrocele (Jarahat-i-Qeela-i-Maiyya)
26.3	CO3,CO5,CO6	Examination of Prostate (Ghudda-i-Mazi Ka Mu'aiina)

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 (150)					Grand Total
			Practical	Viva	Elective	IA	Sub Total	
UNIUG-IJ	2	200	100	30	-	20	150	350

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	B	C	D		F	G
	1 (20)	2 (20)	3 (20)	Average (A+B+C/3) (20)	Term Test (MCQ+SAQ+LAQ and Practical) (Converted to 20)	Sub Total	Term Assessment
First						D+E	D+E /2
Second						D+E	D+E /2
Third					NIL		D
Final IA	Average of Three Term Assessment Marks as Shown in 'G' Column						
	* Select an Evaluation Methods which is appropriate for the objectives of Topics from the Table 6 D. Convert it to 20 marks. ** Conduct Theory (100 Marks) (MCQ (20*1 Marks), SAQ (8*5), LAQ (4*10)) and Practical (100 Marks) Then convert to 20 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

Exam type	Paper 1	Paper 2
PA1	Topic No:1&2	Topic No:14&15
PA 2	Topic No:3	Topic No:16 &17(till 17.3.3-Intestinal tumours)
PA 3	Topic No:4&5	Topic No:17.4 to 17.10
TT 1	Topic No:1 to 5	Topic No:14 to 17
PA 4	Topic No:6&7	Topic No:18 &19
PA 5	Topic No:8&9	Topic No:20 &21
PA 6	Topic No:10&11	Topic No:22,23,24
TT 2	Topic No:6 to 11	Topic No:18 to 24
PA 7	Topic No:12 to 12.4	Topic No:25 to 25.3.4
PA 8	Topic No:12.5 to 13.3	Topic No:25.4 to 26.3
PA 9	Topic No:13.4 to13.12	Topic No:26.4 to 26.13

6 E : Question Paper Pattern

III PROFESSIONAL BUMS EXAMINATIONS

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 (Ilmul Jarahat (Surgery) Paper I)					
List of Topics	Term	Marks	MCQ	SAQ	LAQ
1 تعارف اور تاریخی پس منظر TA'RUF AUR TAREEKHI PAS MANZAR (INTRODUCTION AND HISTORICAL BACKGROUND)	1	17	Yes	Yes	Yes
2 جروح و قروح JUROOH WA QUROOH (WOUNDS AND ULCERS)	1		Yes	Yes	Yes
3 تعدیہ TA'DIYA (INFECTION)	1		Yes	Yes	Yes
4 ناسور مجرئی اور ناسور مجرئی اور اس کے اقسام KHURĀJ AUR USKE AQSĀM (ABSCESS AND ITS TYPES), ناسور مجرئی اور ناسور مجرئی اور اس کے اقسام MAJRA AUR NASOOR (SINUS AND FISTULA), غانغرانا GHANGHARANA (GANGRENE)	1	13	Yes	Yes	Yes
5 امراض شرایین و اورده AMRĀZ-I-SHARAIN WA AURDA (DISEASES OF ARTERIES AND VEINS)	1		Yes	Yes	Yes

6	SADMAH (SHOCK), جريان الدم / نزف الدم, انتقال اجزاء الدم, انتقال الدم (HAEMORRHAGE), انتقال الدم (INTIQAL-AL-DAM (BLOOD TRANSFUSION), انتقال اجزاء الدم (INTEQAL-I-AJZA-I-DAM (TRANSFUSION OF FRACTIONS OF BLOOD)	2	23	Yes	Yes	Yes	
7	HARQ WA SALQ (BURN AND SCALD) حرق و سلق	2		Yes	Yes	Yes	
8	NAMU SATAH-I-JILDI WA AURAM (SKIN GROWTH AND SWELLINGS) نمو سطح جلدی و اورام	2	17	Yes	Yes	Yes	
9	AMRĀZ-I-SADDYAIN (DISEASES OF THE BREAST) امراض الثديین	2		Yes	Yes	Yes	
10	NAKHOON KE 'UMOOOMI AMRĀZ (COMMON DISEASES OF NAILS) ناخون کے عمومی امراض	2		Yes	Yes	Yes	
11	SAYYALĀT WA NAMKIYĀT (FLUIDS AND ELECTROLYTES) سیالات و نمکیات	2		Yes	Yes	Yes	
12	AMAL-I-TAKHDEER (ANAESTHESIA) عمل تخدیر	3	30	Yes	Yes	Yes	
13	ILMUL 'IZĀM WA MAFASIL (ORTHOPAEDICS) علم العظام و مفاصل	3		Yes	Yes	Yes	
Total Marks			100				
Paper 2 (Ilmul Jarahat (Surgery) Paper II)							
List of Topics			Term	Marks	MCQ	SAQ	LAQ
14	RA'S-O- 'UNUQ (HEAD & NECK) راس و عنق	1	12	Yes	Yes	No	
15	JAUF-I-FAM (ORAL CAVITY) جوف فم	1		Yes	Yes	No	
16	SADR (THORAX) صدر	1		Yes	Yes	No	
17	MABHAS-AL-MI'DA WA AL-AM'Ā' (GASTRO ENTEROLOGY) بحث المعده و الامعاء	1	18	Yes	Yes	Yes	
18	MAQ'AD-WA-QANĀT-I-MABRAZ (RECTUM AND ANAL CANAL) مقعد و قنات مبرز	2	23	Yes	Yes	Yes	
19	BĀRITŪN (PERITONEUM) باریطون	2		Yes	Yes	Yes	
20	KABID WA MARARA (LIVER AND GALL BLADDER) کبد و مراره	2		Yes	Yes	Yes	
21	BANQARĀS (PANCREAS) بانقراس	2	17	Yes	Yes	Yes	
22	TIHĀL (SPLEEN) طحال	2		Yes	Yes	Yes	
23	DIAPHRAGHMA (DIAPHRAGM) دیا فرغما	2		Yes	No	Yes	
24	FATQ (HERNIA) فتق	2		Yes	Yes	Yes	

25 مبحث كلوی بولی MABHAS-I- KULWI BAULI (NEPHRO UROLOGY)	3	30	Yes	Yes	Yes
26 نظام تناسلی NIZAAM-I-TANAASULI (GENITAL SYSTEM)	3		Yes	Yes	Yes
Total Marks		100			
Grand Total		200			

6 G : Instructions for UG Paper Setting & Blue print

1. All questions shall be compulsory.
2. The maximum marks for one question paper shall be 100.
3. 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)).
4. 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.
5. Ensure that the total marks allocated per topic/group of topics do not exceed the limits specified in Table 6F.
6. 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”.
7. Each 100-mark question paper shall contain:
 - 20 MCQs
 - 8 SAQs
 - 4 LAQs
8. 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.
9. 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.
10. 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.
11. Long Answer Questions shall be structured to assess higher cognitive abilities, such as application, analysis, and synthesis.
12. Follow the guidelines in User Manual III for framing MCQs, SAQs, and LAQs.

Demo Blueprint for Illustration. Blue printing should be done based on Instructions for Question paper setting and using 6 F table.

Paper No: 1 (Ilmul Jarahat (Surgery) Paper I)		
Question No	Type of Question	Question Paper Format
Q1	<p>Multiple choice Questions</p> <p>20 Questions</p> <p>1 mark each</p> <p>All compulsory</p>	<ol style="list-style-type: none"> 1. تعدیه TA'DIYA (INFECTION) / جروح و قروح JUROOH WA QUROOH (WOUNDS AND ULCERS) / تعارف اور تاریخی پس منظر TA'RUF AUR TAREEKHI PAS MANZAR (INTRODUCTION AND HISTORICAL BACKGROUND) 2. تعدیه TA'DIYA (INFECTION) / جروح و قروح JUROOH WA QUROOH (WOUNDS AND ULCERS) / تعارف اور تاریخی پس منظر TA'RUF AUR TAREEKHI PAS MANZAR (INTRODUCTION AND HISTORICAL BACKGROUND) 3. امراض شرایین و اورده AMRĀZ-I-SHARAIN WA AURDA (DISEASES OF ARTERIES AND VEINS) / خراج اور اسکے اقسام KHURĀJ AUR USKE AQSĀM (ABSCESS AND ITS TYPES), ناسور مجرئی اور MAJRA AUR NASOOR (SINUS AND FISTULA), نافرانہ GHANGHARANA (GANGRENE) 4. امراض شرایین و اورده AMRĀZ-I-SHARAIN WA AURDA (DISEASES OF ARTERIES AND VEINS) / خراج اور اسکے اقسام KHURĀJ AUR USKE AQSĀM (ABSCESS AND ITS TYPES), ناسور مجرئی اور MAJRA AUR NASOOR (SINUS AND FISTULA), نافرانہ GHANGHARANA (GANGRENE) 5. امراض شرایین و اورده AMRĀZ-I-SHARAIN WA AURDA (DISEASES OF ARTERIES AND VEINS) / خراج اور اسکے اقسام KHURĀJ AUR USKE AQSĀM (ABSCESS AND ITS TYPES), ناسور مجرئی اور MAJRA AUR NASOOR (SINUS AND FISTULA), نافرانہ GHANGHARANA (GANGRENE) 6. جریان الدم / انزف جريان الدم / انزف (SHOCK), صدمه SADMAH (SHOCK), حرق و سلق HARQ WA SALQ (BURN AND SCALD) / انتقال الدم INTIQAL-AL-DAM (BLOOD TRANSFUSION), انتقال اجزاء الدم INTEQAL-I-AJZA-I-DAM (TRANSFUSION OF FRACTIONS OF BLOOD) 7. جریان الدم / انزف جريان الدم / انزف (SHOCK), صدمه SADMAH (SHOCK), حرق و سلق HARQ WA SALQ (BURN AND SCALD) / انتقال الدم INTIQAL-AL-DAM (BLOOD TRANSFUSION), انتقال اجزاء الدم INTEQAL-I-AJZA-I-DAM (TRANSFUSION OF FRACTIONS OF BLOOD)

		<p>8. جریان الدم/انزف, صدمه SADMAH (SHOCK) / حرق و سلق HARQ WA SALQ (BURN AND SCALD) / انتقال الدم INTIQAL-AL-DAM (BLOOD TRANSFUSION), انتقال اجزاء الدم INTEQAL-I-AJZA-I-DAM (TRANSFUSION OF FRACTIONS OF BLOOD)</p> <p>9. نمو سطح جلدی و اورام NAMU SATAH-I-JILDI WA AURAM (SKIN GROWTH AND SWELLINGS)</p> <p>10. نمو سطح جلدی و اورام NAMU SATAH-I-JILDI WA AURAM (SKIN GROWTH AND SWELLINGS)</p> <p>11. امراض شديين AMRĀZ-I-SADDYAIN (DISEASES OF THE BREAST)</p> <p>12. امراض شديين AMRĀZ-I-SADDYAIN (DISEASES OF THE BREAST)</p> <p>13. ناخون کے عمومی امراض NAKHOON KE 'UMOOOMI AMRĀZ (COMMON DISEASES OF NAILS)</p> <p>14. سيالات و نمکیات SAYYALĀT WA NAMKIYĀT (FLUIDS AND ELECTROLYTES)</p> <p>15. سيالات و نمکیات SAYYALĀT WA NAMKIYĀT (FLUIDS AND ELECTROLYTES)</p> <p>16. عمل تخدير AMAL-I-TAKHDEER (ANAESTHESIA)</p> <p>17. عمل تخدير AMAL-I-TAKHDEER (ANAESTHESIA)</p> <p>18. علم العظام و مفاصل ILMUL 'IZĀM WA MAFASIL (ORTHOPAEDICS)</p> <p>19. علم العظام و مفاصل ILMUL 'IZĀM WA MAFASIL (ORTHOPAEDICS)</p> <p>20. علم العظام و مفاصل ILMUL 'IZĀM WA MAFASIL (ORTHOPAEDICS)</p>
Q2	<p>Short answer Questions</p> <p>Eight Questions</p> <p>5 Marks Each</p> <p>All compulsory</p>	<p>1. جروح و قروح JURROOH WA QUROOH (WOUNDS AND ULCERS) / تعدييه TA'DIYA (INFECTION)</p> <p>2. امراض شرايين و اورده AMRĀZ-I-SHARAIN WA AURDA (DISEASES OF ARTERIES AND VEINS) / خراج اور اسکے اقسام KHURĀJ AUR USKE AQSĀM (ABSCESS AND ITS TYPES), ناسور مجری اور MAJRA AUR NASOOR (SINUS AND FISTULA), غانغرانه GHANGHARANA (GANGRENE)</p> <p>3. امراض شرايين و اورده AMRĀZ-I-SHARAIN WA AURDA (DISEASES OF ARTERIES AND VEINS) / خراج اور اسکے اقسام KHURĀJ AUR USKE AQSĀM (ABSCESS AND ITS TYPES), ناسور مجری اور MAJRA AUR NASOOR (SINUS AND FISTULA), غانغرانه GHANGHARANA (GANGRENE)</p> <p>4. جریان الدم/انزف, صدمه SADMAH (SHOCK) / حرق و سلق HARQ WA SALQ (BURN AND SCALD) / انتقال الدم INTIQAL-AL-DAM (BLOOD TRANSFUSION), انتقال اجزاء الدم INTEQAL-I-AJZA-I-DAM (TRANSFUSION OF FRACTIONS OF BLOOD)</p>

		<p>5. جریان الدم/نزف, صدمه SADMAH (SHOCK), حرق و سلق HARQ WA SALQ (BURN AND SCALD) / انتقال الدم JIRYĀN-AL-DAM/ NAZF-AL-DAM (HAEMORRHAGE), انتقال الدم (BLOOD TRANSFUSION), انتقال اجزاء الدم INTEQAL-I-AJZA-I-DAM (TRANSFUSION OF FRACTIONS OF BLOOD)</p> <p>6. علم العظام ومفاصل 'ILMUL 'IZĀM WA MAFASIL (ORTHOPAEDICS) / عمل تخدير AMAL-I-TAKHDEER (ANAESTHESIA)</p> <p>7. علم العظام ومفاصل 'ILMUL 'IZĀM WA MAFASIL (ORTHOPAEDICS) / عمل تخدير AMAL-I-TAKHDEER (ANAESTHESIA)</p> <p>8. علم العظام ومفاصل 'ILMUL 'IZĀM WA MAFASIL (ORTHOPAEDICS) / عمل تخدير AMAL-I-TAKHDEER (ANAESTHESIA)</p>
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Q3	Long answer Questions	<p>1. جروح وقروح JUROOH WA QUROOH (WOUNDS AND ULCERS) / تعارف اور تاریخی پس منظر TA'RUF AUR TAREEKHI PAS MANZAR (INTRODUCTION AND HISTORICAL BACKGROUND)</p> <p>2. جریان الدم/نزف, صدمه SADMAH (SHOCK), حرق و سلق HARQ WA SALQ (BURN AND SCALD) / انتقال الدم JIRYĀN-AL-DAM/ NAZF-AL-DAM (HAEMORRHAGE), انتقال الدم (BLOOD TRANSFUSION), انتقال اجزاء الدم INTEQAL-I-AJZA-I-DAM (TRANSFUSION OF FRACTIONS OF BLOOD)</p> <p>3. ناخون کے عمومی SAYYALĀT WA NAMKIYĀT (FLUIDS AND ELECTROLYTES) / امراض ناخون NAKHOON KE 'UMOOOMI AMRĀZ (COMMON DISEASES OF NAILS) / امراض شہین AMRĀZ-I-SADDYAIN (DISEASES OF THE BREAST) / نمو سطح جلدی و اورام NAMU SATAH-I-JILDI WA AURAM (SKIN GROWTH AND SWELLINGS)</p> <p>4. علم العظام ومفاصل 'ILMUL 'IZĀM WA MAFASIL (ORTHOPAEDICS) / عمل تخدير AMAL-I-TAKHDEER (ANAESTHESIA)</p>
	Four Questions 10 marks each All compulsory	

Paper No: 2 (Ilmul Jarahat (Surgery) Paper II)

Question No	Type of Question	Question Paper Format
Q1	Multiple choice Questions 20 Questions	<p>1. بحث المعده والامعاء MABHAS-AL-MI'DA WA AL-AM'Ā' (GASTRO ENTEROLOGY)</p> <p>2. بحث المعده والامعاء MABHAS-AL-MI'DA WA AL-AM'Ā' (GASTRO ENTEROLOGY)</p> <p>3. بحث المعده والامعاء MABHAS-AL-MI'DA WA AL-AM'Ā' (GASTRO ENTEROLOGY)</p> <p>4. مقعد و قنات مبرز MAQ'AD-WA-QANĀT-I-MABRAZ (RECTUM AND ANAL CANAL)</p>

	<p>1 mark each All compulsory</p>	<ol style="list-style-type: none"> 5. مقعد وقتت مبرز MAQ'AD-WA-QANĀT-I-MABRAZ (RECTUM AND ANAL CANAL) 6. مقعد وقتت مبرز MAQ'AD-WA-QANĀT-I-MABRAZ (RECTUM AND ANAL CANAL) 7. باریطون BĀRITŪN (PERITONEUM) 8. باریطون BĀRITŪN (PERITONEUM) 9. کبد و مراره KABID WA MARARA (LIVER AND GALL BLADDER) 10. کبد و مراره KABID WA MARARA (LIVER AND GALL BLADDER) 11. کبد و مراره KABID WA MARARA (LIVER AND GALL BLADDER) 12. دیافرغما DIAPHRAGHMA (DIAPHRAGM) / بانقراس BANQARĀS (PANCREAS) 13. فتنق FATQ (HERNIA) / دیافرغما DIAPHRAGHMA (DIAPHRAGM) 14. مجت کلوی بولی MABHAS-I- KULWI BAULI (NEPHRO UROLOGY) / نظام تناسلی NIZAAM-I-TANAASULI (GENITAL SYSTEM) 15. مجت کلوی بولی MABHAS-I- KULWI BAULI (NEPHRO UROLOGY) / نظام تناسلی NIZAAM-I-TANAASULI (GENITAL SYSTEM) 16. مجت کلوی بولی MABHAS-I- KULWI BAULI (NEPHRO UROLOGY) / نظام تناسلی NIZAAM-I-TANAASULI (GENITAL SYSTEM) 17. مجت کلوی بولی MABHAS-I- KULWI BAULI (NEPHRO UROLOGY) / نظام تناسلی NIZAAM-I-TANAASULI (GENITAL SYSTEM) 18. مجت کلوی بولی MABHAS-I- KULWI BAULI (NEPHRO UROLOGY) / نظام تناسلی NIZAAM-I-TANAASULI (GENITAL SYSTEM) 19. راس و عنق RA'S-O- 'UNUQ (HEAD & NECK) 20. صدر SADR (THORAX) / جوف نم JAUF-I-FAM (ORAL CAVITY)
<p>Q2</p>	<p>Short answer Questions Eight Questions 5 Marks Each All compulsory</p>	<ol style="list-style-type: none"> 1. مجت المعده و الامعاء MABHAS-AL-MI'DA WA AL-AM'Ā' (GASTRO ENTEROLOGY) 2. مجت کلوی بولی MABHAS-I- KULWI BAULI (NEPHRO UROLOGY) / نظام تناسلی NIZAAM-I-TANAASULI (GENITAL SYSTEM) 3. مجت کلوی بولی MABHAS-I- KULWI BAULI (NEPHRO UROLOGY) / نظام تناسلی NIZAAM-I-TANAASULI (GENITAL SYSTEM) 4. صدر SADR (THORAX) / راس و عنق RA'S-O- 'UNUQ (HEAD & NECK) / جوف نم JAUF-I-FAM (ORAL CAVITY) 5. صدر SADR (THORAX) / راس و عنق RA'S-O- 'UNUQ (HEAD & NECK) / جوف نم JAUF-I-FAM (ORAL CAVITY) 6. مجت کلوی بولی MABHAS-I- KULWI BAULI (NEPHRO UROLOGY) / نظام تناسلی NIZAAM-I-TANAASULI (GENITAL SYSTEM)

		<p>7. كبدمراره KABID WA MARARA (LIVER AND GALL BLADDER) / باريطون BĀRITŪN (PERITONEUM) / مقعدوقناتمبرز MAQ'AD-WA-QANĀT-I-MABRAZ (RECTUM AND ANAL CANAL)</p> <p>8. طحال TIHĀL (SPLEEN) / فتق FATQ (HERNIA) / بانقراس BANQARĀS (PANCREAS)</p>
Q3	<p>Long answer Questions Four Questions 10 marks each All compulsory</p>	<p>1. مبحثالمعدهوالامعاء MABHAS-AL-MI'DA WA AL-AM'Ā' (GASTRO ENTEROLOGY)</p> <p>2. كبدمراره KABID WA MARARA (LIVER AND GALL BLADDER) / باريطون BĀRITŪN (PERITONEUM) / مقعدوقناتمبرز MAQ'AD-WA-QANĀT-I-MABRAZ (RECTUM AND ANAL CANAL)</p> <p>3. طحال TIHĀL (SPLEEN) / فتق FATQ (HERNIA) / ديافرغما DIAPHRAGHMA (DIAPHRAGM) / بانقراس BANQARĀS (PANCREAS)</p> <p>4. مبحثكلوىبولى MABHAS-I- KULWI BAULI (NEPHRO UROLOGY) / نظامتناسلى NIZAAM-I-TANAASULI (GENITAL SYSTEM)</p>

6 H : Distribution of Practical Exam

S.No	Head	Marks
1	History taking one long case (Clinical history with General and Systemic examination)	40
2	History taking one short case	20
3	Description of surgical procedures One major procedure- 15 marks One minor procedure-05 marks	20
4	Spotting of Surgical instruments/equipment/ models (10 Spots)	10
5	Practical records & assignment	10
6	Viva Voce	30
7	Internal Assessment	20
Total		150

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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-UAMF	V-UAMF
CC	Cognitive/Comprehension	L&PPT	Lecture with PowerPoint presentation	KH	Knows how	T-OBT	Theory open book test	V-KUT	V-KUT
CAP	Cognitive/Application	L&GD	Lecture & Group Discussion	SH	Shows how	P-VIVA	Practical Viva	V-TB	V-TB
CAN	Cognitive/Analysis	L_VC	Lecture with Video clips	D	Does	P-REC	Practical Recitation	V-MZ	V-MZ
CS	Cognitive/Synthesis	REC	Recitation			P-EXAM	Practical exam	V-TT	V-TT
CE	Cognitive/Evaluation	SY	Symposium			PRN	Presentation	V-IA	V-IA
PSY-SET	Psychomotor/Set	TUT	Tutorial			P-PRF	Practical Performance	V-ISM	V-ISM
PSY-GUD	Psychomotor/Guided response	DIS	Discussions			P-SUR	Practical Survey	V-TST	V-TST
PSY-MEC	Psychomotor/Mechanism	BS	Brainstorming			P-EN	Practical enact	V-MA	V-MA
PSY-ADT	Psychomotor Adaptation	IBL	Inquiry-Based Learning			P-RP	Practical Role play	V-TQS	V-TQS
PSY-ORG	Psychomotor/Origination	PBL	Problem-Based Learning			P-MOD	Practical Model	V-SUI	V-SUI
AFT-REC	Affective/ Receiving	CBL	Case-Based Learning			P-POS	Practical Poster	H-MOA	H-MOA

AFT-RES	Affective/Responding	PrBL	Project-Based Learning			P-CASE	Practical Case taking	H-QAN	H-QAN
AFT-VAL	Affective/Valuing	TBL	Team-Based Learning			P-ID	Practical identification	H-IJ	H-IJ
AFT-SET	Affective/Organization	TPW	Team Project Work			P-PS	Practical Problem solving	H-AUH	H-AUH
AFT-CHR	Affective/ characterization	FC	Flipped Classroom			QZ	Quiz	H-AJT	H-AJT
PSY-PER	Psychomotor/perception	BL	Blended Learning			PUZ	Puzzles	H-IBT	H-IBT
PSY-COR	Psychomotor/ Complex Overt Response	EDU	Edutainment			CL-PR	Class Presentation	H-AAN	H-AAN
		ML	Mobile Learning			DEB	Debate	H-RMS	H-RMS
		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	Objective Structured		

							Clinical Examination		
						OSPE	Objective Structured Practical Examination		
						DOPS	Direct observation of procedural skills		