

COURSE CURRICULUM FOR THIRD PROFESSIONAL B.U.M.S.
(PRESCRIBED BY NCISM)

AMRAZE AIN, UZN, ANF, HALAQ WA ASNAN
(Ophthalmology, ENT and Dentistry)

(SUBJECT CODE : UNIUG-AUH)

(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, SIDDHA 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-AUH

Amraze Ain, Uzn, Anf, Halaq wa Asnan
(Ophthalmology, ENT and Dentistry)

Summary

Total number of Teaching hours: 210			
Lecture (LH) - Theory		70	70(LH)
Paper I	70		
Non-Lecture (NLHT)		40	140(NLH)
Paper I	40		
Non-Lecture (NLHP)		100	
Paper I	100		

Examination (Papers & Mark Distribution)					
Item	Theory Component Marks	Practical Component Marks			
		Practical	Viva	Elective	IA
Paper I	100	100	20	10 (Set-TA)*	20
Sub-Total	100	150			
Total marks	250				

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

In our nation, various medical disciplines work continuously to serve public health and among them, the Unani System of Medicine deserves special recognition for its centuries-long service to the nation. The National Commission for Indian System of Medicine (NCISM), New Delhi, is committed to producing skilled graduates in the field of eye, ear, nose, throat (E.N.T.), and dentistry at the undergraduate level. This curriculum is designed to equip scholars and physicians with the competencies needed to globalize the Unani System of Medicine.

The study of Eye, E.N.T. and dentistry plays a pivotal role in Unani medical science, contributing significantly to the diagnosis and treatment of related conditions. The Competency-Based Dynamic Curriculum (CBDC) for Eye, E.N.T. and dentistry is designed to provide students with a comprehensive foundation in diagnosing and managing Eye, E.N.T. and dentistry disorders. It emphasizes a balanced integration of theoretical knowledge and hands-on clinical experience, focusing on essential competencies for a holistic understanding of Eye, E.N.T. and dentistry conditions.

Students are expected to develop a strong grasp of the anatomy, physiology, and pathology of the eye, ear, nose, throat and dentistry while mastering diagnostic tools and treatment methods. The curriculum also highlights the importance of preventive care and patient education, which are crucial for public health. The Unani system, one of the oldest forms of traditional medicine, emphasizes maintaining health through the balance of the four humours (blood, phlegm, yellow bile, and black bile). By integrating Unani principles with modern medical techniques, students gain an appreciation for ancient wisdom alongside contemporary advancements.

This CBDC syllabus ensures that students not only gain knowledge of Eye, E.N.T. and dentistry conditions but also develop practical skills in diagnosis, patient care, and treatment modalities in line with the Unani approach. Through this competency-based framework, they will learn to apply both classical Unani principles and modern medical concepts, fostering an integrated approach to patient care.

Additionally, the curriculum emphasizes the importance of ethical practice, ensuring that students understand their professional responsibilities in providing care with compassion, integrity, and respect for patients' dignity and rights. This approach will help cultivate graduates who contribute effectively to the healthcare system, combining the wisdom of Unani medicine with the latest advancements in medical science.

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Course Code and Name of Course

Course code	Name of Course
UNIUG-AUH	Amraze Ain, Uzn, Anf, Halaq wa Asnan

Table 1 : Course learning outcomes and mapped PO

SR1 CO No	A1 Course learning Outcomes (CO) UNIUG-AUH At the end of the course UNIUG-AUH, the students should be able to	B1 Course learning Outcomes mapped with program learning outcomes.
CO1	Demonstrate the application of basic <i>Tashrīḥ</i> (anatomy) and <i>Manāfi</i> (physiology) of the 'Ayn (eye), <i>Udhun</i> (ear), <i>Anf</i> (nose), <i>Halaq</i> (throat), <i>al-Fam</i> (oral cavity) and <i>Litha wa Asnān/Dandān</i> (gums and teeth) according to <i>Unani</i> principles and scientific advances.	PO1,PO6
CO2	Diagnose Diseases of Eye, E.N.T. and Oral cavity using advanced diagnostic tools and Unani Principles.	PO2,PO4
CO3	Analyze and Apply <i>Uṣūl-i-'Ilāj</i> according to Unani concepts in implementing treatment modalities.	PO2,PO4
CO4	Practice ethics and effective communication skills.	PO5
CO5	Educate community for health and hygiene and preventive strategies using <i>Asbabe Sitta Zaruriya</i> .	PO1,PO2,PO5
CO6	Perform the skills with dexterity adhering to legal, safety, and regulatory standards.	PO6,PO8
CO7	Apply a research in <i>Unani</i> medicine by continuous upgrading knowledge.	PO4,PO6,PO8

Table 2 : Contents of Course

Paper 1 (Amraze Ain, Uzn, Anf, Halaq wa Asnan (Ophthalmology, E.N.T. and Dentistry)						
Sr.No	A2 List of Topics	B2 Term	C2 Marks	D2 Lecture hours	E2 NonLecture hours Theory	F2 NonLecture hours Practica I
1	1 تشریح العين Tashrīḥ al-Ayn (Anatomy of Eye) The topic deals with the anatomy of the eye and adnexa.	1	30	1	0	1
2	2 منافع العين Manafi' al-Ayn (Physiology of Eye) The topic deals with the physiology of the eye and the visual pathway.	1		0	1	0
3	3 حول Hawal (Strabismus) The topic deals with the examination of extraocular muscles and strabismus/squint.	1		1	0	1
4	4 امراض بصارت Amrāḍ-i Basarat (Visual Disorders)	1		2	0	5
	4.1. قصر البصر / قصر النظر Qaṣr al-Baṣar / Qaṣr al-Naẓar (Myopia)					
	4.2. طول البصر / طول النظر Ṭūl al-Baṣar / Ṭūl al-Naẓar (Hypermetropia)					
	4.3. خلل بصر / اسداد نظري Khalal-i Basar/Sudad Nazri (Astigmatism)					
4.4. بصر شيخوخة Basar-i Sheikhūkhat (Presbyopia)						
5	5 بطلان بصر Buṭlān-i-Baṣar (Blindness)	1	1	0	1	
5.1. اشب كوري Al- 'Ashā'/Shabkorī (Night Blindness)						
5.2. روز كوري / الجهر Al-Jahar/Rozkorī (Day Blindness)						
	5.3. بطلان بصر اللون Buṭlān-i-Baṣar al-Lawn (Color					

	Blindness) 5.4. ضعف البصر Du'f al-Basar (Amblyopia)				
6	6 امراض الجفان Amrāḍ-i-'Ajfān (Diseases of the Eyelids) 6.1. ملتحم التصاق الجفن بالتصاق الجفان Iltiṣāq al-Jafn bi'l Mul taḥim/Iltiṣāq al- Ajfān (Symblepharon and Ankyloblepharon) 6.2. استرخا الجفن / سقوط الجفن Istirkhā' al-Jafn / Suqūṭ al-Jafn (Ptosis /Blepharoptosis) 6.3. سلاق با منى Sulāq / Bāmnī (Blepharitis) 6.4. برده و شعيه Barada wa Sha'īra (Chalazion/ Meibomian Cyst and Sty) 6.5. شتره داخليه و شتره خارجيه / انقلاب الجفن الأسنل Shatra Dākhiliya wa Shatra Khārijīyya/In-qilāb-al-Jafn al-Asfal (Entropion and Ectropion) 6.6. شعر منقلب / انقلاب الشعر Sha'r Munqalib / Inqilāb al-Sha'r (Trichiasis and Distichiasis)	1	3	3	1
7	7 نظام دمعي کے امراض Amrāḍ 'Nizām-i Dam'i (Diseases of Lacrimal System) 7.1. التهاب كسيه دمعي 'Iltihāb al-Kis Dam'i (Dacryocystitis) 7.2. التهاب الغدة دمعي 'Iltihāb al-Ghudda Dam'i (Dacryoadenitis) 7.3. متلازمة يبس العين Mutalazima-i Yubs al-Ayn (Dry Eye Syndrome) 7.4. دمعه Dam'a (Watering of the Eye/Epiphora and Lacrimation)	1	1	3	2
8	8 امراض مجريين Amrāḍ Mahjiryn (Orbital Diseases) 8.1. جھوظ العين Juḥūẓ al-'Ayn (Exophthalmos) 8.2. التهاب مجريين 'Iltihāb-i Mahjiryn (Orbital Cellulitis)	1	1	1	0
9	9 تشريح الاذن Tashriḥ al-Udhun (Anatomy of Ear)	1	1	0	1

	The topic deals with the anatomy of the ear.				
10	10 منافع الاذن Manāfi al-Udhun (Physiology of Ear) The topic deals with the physiology of hearing and balance.	1	1	0	0
11	11 التهابی امراض الاذن 'Itīhābī Amrāḍ Udhun (Inflammatory Disorders of Ear) 11.1. التهاب الاذن خارجی 'Itīhāb al-Udhun Khārijī (Otitis Externa) 11.2. التهاب الاذن وسطی صديدي حاد 'Itīhāb al-Udhun Wastī Sadīdī Ḥād (Acute Suppurative Otitis Media) 11.3. التهاب الاذن وسطی صديدي مزمن 'Itīhāb al-Udhun Wastī Sadīdī Muzmin (Chronic Suppurative Otitis Media) 11.4. عوارضات التهاب الاذن وسطی 'Awāriḍat 'Itīhāb al-Udhun Wastī (Complication of Otitis Media)	1	4	1	0
12	12 علامات امراض الاذن 'Alāmat-i Amrāḍ Udhun (Symptoms of Ear Disorders) 12.1. بھراپن Behrāpan (Deafness) 12.2. ظنين و دوی Tanīn-o-Dawī (Tinnitus) 12.3. سيلان الاذن و وجع الاذن 'Waja' al-Udhun (Otalgia) and سيلان الاذن Sayalān al-Udhun (Otorrhoea) 12.4. دوآر Duwār (Vertigo)	1	4	1	9
13	13 متفرق امراض عین و اذن Mutafarrīq Amrāḍ Ayn wa Udhun (Miscellaneous Eye and Ear Disorders) 13.1. اطراف عین سے متعلق معالجاتی عملیات کا تعارف 'Atrāf Ayn se Mutālīq Moalajāti Amlīyāt ka Ta'ruf (Introduction to Unani Peri-Ocular Therapies)	1	1	2	9

	<p>13.2. تصلب الاذن Tasallub al-Udhun (Otosclerosis)</p> <p>13.3. مرض مينير 'Ariḍa-i Menier (Menier`s Disease)</p> <p>13.4. وسخ الاذن Wasakh al-Udhun (Impacted Ear wax) and قذی الاذن Qadhā al-Udhun (Foreign Body in the Ear)</p> <p>13.5. امراض اذن انف و حلق میں استعمال ہونے والے آلات کا مظاہرہ Amrād-i Udhun Anf wa Ḥalaq me Istemal hone wale Ālāt ka Muzahīrā (Demonstration of Instruments Used in E.N.T.)</p>					
14	<p>14 امراض ملتحمہ Amrād Multaḥima (Diseases of Conjunctiva)</p> <p>14.1. حقیقی رمد/رامد حقیقی Ramad/Ramad Ḥaqīqi (Conjunctivitis)</p> <p>14.2. انحطاط طبقہ الملتحمہ Inḥiṭāt Ṭabaqa al-Multaḥima (Degenerative Changes of Conjunctiva)</p>	2		3	1	1
15	<p>15 امراض الطبقة الصليبية Amrād al-Ṭabaqa al-Ṣulbiyya (Diseases of Sclera)</p> <p>التهاب نسيج الصليبية 'Illīhāb Nasij al-Ṣulbiyya (Episcleritis) and التهاب الصليبية 'Illīhāb al-Ṣulbiyya (Scleritis)</p>	2		1	0	1
16	<p>16 امراض الطبقة القرنية Amrād al-Ṭabaqa al-Qarniyya (Diseases of Cornea)</p> <p>16.1. التهاب القرنية حاد و مزمن 'Illīhāb al-Qarniyya Ḥād wa Muzmin (Acute and Chronic Keratitis)</p> <p>16.2. قروح القرنية Qurūḥ al-Qarniyya (Corneal Ulcer)</p> <p>16.3. بروز القرنية و شتک القرنية Buruz al-Qarniyya wa Shank al-Qarniyya (Keratectasia and Keratoconus)</p> <p>16.4. بياض العين / بياض چشم Bayāḍ al-'Ayn / Bayāḍ-i Chashm (Corneal Opacity)</p>	2	40	3	2	1
17	<p>17 امراض عينية Amrād-i 'Inabiyya (Diseases of Uveal tract)</p> <p>17.1. التهاب عينية 'Illīhāb-i 'Inabiyya (Uveitis)</p> <p>17.2. انقباض ثقب الناظر و اتساع ثقب الناظر Inqibād Thaqb al-Nāẓir wa Ittisā' Thaqb al-Nāẓir (Miosis and Mydriasis)</p>	2		2	4	1

18	<p>18 امراض شبكية Amrāḍ-i Shabkiyya (Diseases of Retina)</p> <p>18.1. التهاب شبكية 'Itīhāb-i Shabkiyya (Retinitis)</p> <p>18.2. ذیابیطس شكري و ضغط الدم قوی کے شبكية پر اثرات Shakari wa Ḍagḥ al-Dam Qawī ka Shabkiyya par Asrāt (Diabetic and Hypertensive Retinopathy)</p> <p>18.3. انفصال الشبكية 'Infisāl al-Shabkiyya (Detachment of Retina)</p>	2		3	0	3
19	<p>19 تشريح و منافع الانف و تجاویف الانف Tashrīḥ wa Manāfi' al-Anf wa Tajāwīf al-Anf (Anatomy and Physiology of the Nose and Paranasal Sinus)</p> <p>The topic deals with the anatomy and physiology of the nose and paranasal sinuses</p>	2		1	1	0
20	<p>20 ميكانيزم و فساد شم و فساد شم Mīkanīyāt Shamm wa Fasād-i Shamm (Mechanism of Olfaction and Disorder of Olfaction)</p> <p>The topic deals with mechanism of olfaction and its disorders</p>	2		0	1	0
21	<p>21 التهابی امراض انف و تجاویف انف 'Itīhābī Amrāḍ Anf wa Tajāwīf Anf (Inflammatory Disorders of Nose and PNS)</p> <p>21.1. التهاب الانف 'Itīhāb al-Anf (Rhinitis)</p> <p>21.2. التهاب تجاویف الانف 'Itīhāb Tajāwīf al-Anf (Sinusitis)</p>	2		4	0	0
22	<p>22 دیگر امراض انف Dīgar Amrāḍ Anf (Other Nose Disorders)</p> <p>22.1. انحراف فاصل المنخرین Inḥirāf Fāṣil al-Mankharyn (Deviated Nasal Septum)</p> <p>22.2. رعاف / نكسیر Ru'āf/Naksīr (Epistaxis)</p> <p>22.3. بثور و قروح الانف Buthūr wa Qurūh al-Anf (Nasal Vestibulitis-Nasal Boils and Ulcers) and قذی الانف Qadhā</p>	2		1	4	8

	al-Anf (Foreign Body in the Nose) 22.4. بواسير انف Bawāsīr-i-Anf (Nasal polyp)				
23	23 التهابی امراض حلق 'Alīhābī Amrād Ḥalaq (Inflammatory Disorders of Throat) 23.1. ورم حلق Waram-i Ḥalaq (Pharyngitis) 23.2. تعظم غدة انفى حلقى Ta'zzum-i Ghudda Anfī Ḥalaqi (Adenoid Hypertrophy) 23.3. ورم لوزتین Waram-i Lawzatayn (Tonsillitis) and خراج اطراف لوزتین Khurāj-i 'Atrāf Lawzatayn {Peritonsillar Abscess (Quinsy) 23.4. التهاب اللحنجره 'Alīhāb al-Ḥanjara (Laryngitis)	2	6	2	2
24	24 علامات امراض حلق 'Alāmat-i Amrād Ḥalaq (Symptoms of Throat Disorders) 24.1. بجھ الصوت Buḥḥa al-Ṣawt (Hoarseness of Voice) 24.2. عسر البلع Usr al-Bal' (Dysphagia) 24.3. اختناق النوم والخطيط Al-Ghaṭīṭ wa 'Ikhtīnāq al-naum (Snoring and Sleep Apnoea)	2	2	1	1
25	25 متفرق امراض عین، اذن، انف و حلق Mutafarrīq Amrād Ayn, Udhun, Anf, wa Ḥalaq (Miscellaneous Eye and E.N.T. Disorders) 25.1. امراض چشم کے تحفظ میں اسباب ستہ ضروریہ اور طب کے بنیادی اصول کا نفاذ Amrād Chasm ke Tahaffuz mien Asbāb Sitta Zaruriyya aur Tibb ke Buniyadi Usūl ka Nefāz (Implementation of Asbab e Sitta Zaruriya and Basic Principles of Unani System of Medicine in Relation to Prevention of Eye Diseases) 25.2. امراض اذن، انف، حلق و اسنان میں استعمال ہونے والی یونانی ادویات Amrād Udhun, Anf, Ḥalaq wa Asnān mien Istemal hone wali Unani Adwiyāt (Unani Drugs Used in the Treatment of E.N.T. and Dental Disorders) 25.3. امراض چشم، اذن، انف، حلق و اسنان میں روداد مریض کی واقفیت	2	2	0	22

	Amrāḍ-i Ayn, Udhun, Anf, Ḥalaq wa Asnān mien Rudād-i Mariz ki wāqfiyat (Orientation of Case-taking in Ophthalmology, E.N.T. and Dentistry) 25.4. خنق Khunāq (Ludwig's Angina) 25.5. استرخاء حنجره Istirkhā'ī Ḥanjara (Laryngeal Paralysis)					
26	26 امراض کے مقدمے کے حصرہ میں Ayn ke hujra muqaddam ke Amrāḍ (Diseases of Anterior Chamber of Eye) چشم کا اندرونی دباؤ اور ماء اخضر Chashm ka andrūnī dabāo aur Mā' Akhḍar (Intra Ocular Pressure and Glaucoma)	3		3	1	1
27	27 امراض عدسہ Amrāḍ-i 'Adasa (Diseases of Lens) الماء نزول Nuzūl al-Mā' (Cataract)	3		3	1	2
28	28 متفرق امراض میں Mutafarrīq Amrāḍ Ayn (Miscellaneous Disorder of Eye) 28.1. آہستہ آہستہ یونانی اور عرب دور کی شراکت کا تاریخی پس منظر (Historical Background of Contributions of Greco-Arab Period in Ophthalmology) 28.2. قذی العین Qadhā al-Ayn (Foreign Body in the Eye) 28.3. ضرب العین Ḍarba al-Ayn (Ocular Injuries) 28.4. اعراض العین امراض نظامی A'rāḍ al-Ayn Amrāḍ-i 'Nizāmaī (Ocular Manifestation of Systemic Disease) 28.5. آلات چشم کا مظاہرہ Ālāt-i chashm ka Muzahīrā (Demonstration of Ophthalmic Instruments) 28.6. تالیف آلات چشم Tālīf-i Ālāt-i chashm (Compilation of Ophthalmic Instruments) 28.7. امراض عین میں استعمال ہونے والی یونانی ادویات Amrāḍ Ayn mien Istemal hone wali Unani Adwiyāt (Unani Drugs Used in the Treatment of Eye Diseases)	3	30	5	2	15
29	29 امراض الفم Amrāḍ al-Fam (Disorders of Oral Cavity)	3		6	3	3

	<p>29.1. تشريح و منافع الفم Tashrīḥ wa Manāfi' al-Fam (Anatomy & Physiology of Oral Cavity)</p> <p>29.2. قلاع و قروح الفم 'Qula wa Qurūh al-Fam (Stomatitis and Mouth Ulcers) and آكلة الفم 'Ākila al-Fam (Cancrum Oris/Deep Ulcers of Mouth)</p> <p>29.3. تليف تحت المخاط الفموي Talīf Tahaṭ al-Mukhāṭ al-Famwī (Oral Submucous Fibrosis)</p> <p>29.4. بحر الفم Bakhr al-Fam (Halitosis) and كثرة اللعاب Kathra al-Lu'āb (Sialorrhoea/Ptyalism)</p> <p>29.5. ورم اصل الاذن WaramAṣl al-Udhun (Parotitis)</p> <p>29.6. سرطان الفم Saraṭān al-Fam (Cancer of Oral Cavity)</p> <p>29.7. ورم الشفتين Waram al-Shafatayn (Cheilitis) and نملة شفوية Namla Shafawiyya (Herpes labialis)</p>					
30	<p>30 امراض لسان Amrād Lisān (Disorders of Tongue)</p> <p>30.1. تشريح و منافع اللسان Tashrīḥ wa Manāfi' al-Lisān (Anatomy & Physiology of Tongue)</p> <p>30.2. ورم اللسان Waram al-Lisān (Glossitis)</p> <p>30.3. شقاق اللسان Shiqāq al-Lisān (Fissured Tongue) and عظم اللسان 'Izam al-Lisān (Macroglossia)</p>	3		1	2	0
31	<p>31 اسنان Asnān (Dentistry)</p> <p>31.1. تشريح و منافع اسنان و لثة Tashrīḥ-wo-Manāfi 'al Asnān-o-Litha (Anatomy and Physiology of Teeth and Gums)</p> <p>31.2. وجع الاسنان Waja' al-Asnān (Odontalgia) and تاكل الاسنان Ta'akkul al-Asnān wa Ḥafr-o-Qalḥ (Dental Carries, Tartar and Plaque)</p> <p>31.3. تقحج لثة Taḥarruk al-Asnān/Taqayyuḥ al-Litha (Periodontitis-Loosening of Teeth/Pyorrhoea)</p> <p>31.4. اورام لثة و لثة دامية Awrām-i Litha wa Litha Dāmiya (Gingivitis and Bleeding Gums)</p>	3		3	3	4

32	32 آلات اذن انف و حلق و حلق (E.N.T. Instruments) تالیف آلات اذن انف و حلق و حلق Tālīf-i Ālāt-i Udhun, Anf, wa Ḥalaq (Compilation of E.N.T. instruments)	3	0	0	5
Total		100	70	40	100
Grand Total		100	70	40	100

Table 3 : Learning objectives of Course

Paper 1 (Amraze Ain, Uzn, Anf, Halaq wa Asnan (Ophthalmology, E.N.T. and Dentistry))										
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 Integration	K3 Type
Topic 1 تشریح العين Tashrīḥ al-Ayn (Anatomy of Eye) (LH : 1, NLHT: 0, NLHP: 1 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1	Explain the anatomy of the eye and adnexa.	CK	MK	K	L&PPT , L, L_VC	T-CS, CL- PR, VV- Viva, S- LAQ	F&S	1	V-TB	LH
CO1	Demonstrate the structures of the eye along with internal structures and their roles in vision.	PSY-GUD	MK	SH	L_VC, D- M, D, TUT, L&GD	P-EXAM, M-MOD, P- VIVA, M- CHT	F&S	1	V-TB	NLHP1.1
Non Lecture Hour Theory										
S.No	Name					Description of Theory Activity				
Non Lecture Hour Practical										
S.No	Name					Description of Practical Activity				

NLHP1.1	Demonstration of the eyeball on the model.	The teacher will demonstrate different layers and structures of the eyeball on a model or through a video clip to elaborate on the eye structures and their clinical relevance. Thereafter, group students will discuss and demonstrate the same on the eyeball model.								
Topic 2 منافع العين Manafi' al-Ayn (Physiology of Eye) (LH : 0, NLHT: 1, NLHP: 0 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1	Explain the physiology of vision and the course of the optic nerve.	PSY-SET	MK	KH	L_VC, L&GD, L&PPT , ML, L	M-POS, M- CHT, VV- Viva, P- VIVA	F&S	1	V-MA	NLHT2.1
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT2.1	Physiology of vision and the course of optic nerve.	The teacher will explain the physiology of vision and the course of the optic nerve with the help of PPTs, video clips, charts, and posters, and further group discussions will be held between students.								
Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
Topic 3 حائل Hawal (Strabismus) (LH : 1, NLHT: 0, NLHP: 1 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1, CO2, CO6	Describe the anatomy of extraocular muscles, their functions, and evaluation of strabismus.	CK	MK	KH	ML, CD, L, D-BED, L_VC	M-CHT, P- VIVA, T-CS, M-POS	F&S	1	-	LH

CO1, CO2, CO3	Demonstrate the movements and examinations of six extraocular muscles for diagnosis of strabismus.	PSY-GUD	MK	SH	D, CBL, CD, L_VC, ML	M-CHT, VV- Viva, T-CS, M-POS, P- VIVA	F&S	1	-	NLHP3.1
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
NLHP3.1	Clinical tests for strabismus.	<p>The teacher will either physically perform and demonstrate the clinical examination related to strabismus or through video clips including tests such as</p> <p>Hirschberg test.</p> <p>Cover-uncover test.</p> <p>Extraocular muscle testing.</p>								
Topic 4 امراض البصارت Amrāḍ-i Basarat (Visual Disorders) (LH : 2, NLHT: 0, NLHP: 5 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3, CO5	Describe the types, causes, clinical examination, diagnosis, principles of treatment, and management of visual disorders along with Unani's concept of <i>Basar</i> (vision).	CC	MK	KH	D, L&PPT , L_VC, D- M, D-BED	VV-Viva, T- CS, M- CHT, P- VIVA, S- LAQ	F&S	1	-	LH

CO2, CO3, CO6	Examine and diagnose common visual disorders and learn about the Unani perspectives on visual disorders.	PSY-GUD	MK	SH	LS, DL, ML, L&GD, CBL	P-EXAM, VV-Viva, M- POS, P- VIVA, M- CHT	F&S	1	-	NLHP4.1
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Non Lecture Hour Theory

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

S.No	Name	Description of Practical Activity
NLHP4.1	Examination of visual acuity and refractive errors with modern diagnostic tools and Unani perspectives on visual disorders.	<p>The teacher will demonstrate the examination of visual acuity and the process of refraction through Autorefractometry and/or Retinoscopy. Thereafter, students will perform the examination in groups.</p> <p>The teacher will further direct the students to visit the library and explore the Unani concepts about the role of Ilaj bil Ghiza, Ilaj bil Dawa, and Ilaj bil Tadbeer in the prevention of visual disorders.</p>

Topic 5 بطلان بصر Buṭlān-i-Başar (Blindness) (LH : 1, NLHT: 0, NLHP: 1 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3, CO6	Classify blindness and learn about the Unani concept of <i>Buṭlān-i-Başar</i> .	CK	DK	K	L&PPT , CD, L_VC, D-BED, L	VV-Viva, P- VIVA, T-CS	F&S	1	-	LH

CO2, CO3, CO6	Identify the types of blindness and its prevention and management.	PSY-GUD	DK	K	L_VC, L, LS, CD, D	P-VIVA, PRN, VV-Viva	F&S	1	-	NLHP5.1
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
NLHP5.1	Assessment of blindness.	<p>The teacher will demonstrate the assessment of different types of blindness especially the examination of color blindness through the Ishihara test (show an image) and Ishihara test cards (physical or digital).</p> <p>The teacher will further direct the students to visit the library to explore the Unani concept of Butlan-e-Basar and its prevention & management.</p>								
Topic 6 امراض الجفان Amrāḍ-i-'Ajfān (Diseases of the Eyelids) (LH : 3, NLHT: 3, NLHP: 1 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1, CO2, CO3, CO4	Discuss the types, causes, clinical examination, diagnosis, treatment principles, and management of blepharitis, hordeolum (stye), and chalazion.	CK	MK	KH	L&GD, L_VC, L, L&PPT	PP- Practical, P-VIVA, VV-Viva, S-LAQ, M-CHT	F&S	1	-	LH

CO1, CO2, CO3, CO5	Describe the anatomy of the eyelid and enumerate the types, causes, clinical examination, diagnosis, treatment principles, and management of ptosis, entropion, and ectropion.	CAP	MK	KH	L, CD, CBL, ML, L_VC	S-LAQ, P- VIVA, PP- Practical, M-CHT, M- POS	F&S	1	-	NLHT6.1
CO2, CO3, CO6	Demonstrate clinical examinations for eyelid disorders.	PSY-SET	MK	KH	CBL, L_VC, D- BED, D, L	PP- Practical, P- VIVA, VV- Viva, T-CS, OSCE	F&S	1	-	NLHP6.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT6.1	Anatomy of eyelids and their common pathologies.	The teacher will demonstrate the anatomy of the eyelid through PPTs or video clips and explain common pathologies related to eyelids.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP6.1	Clinical examination of eyelids.	The teacher will demonstrate the examination of eyelids and the identification of different eyelid disorders.

Topic 7 نظامِ دمی کے امراض Amrāḍ 'Nizām-i Dam'i (Diseases of Lacrimal System) (LH : 1, NLHT: 3, NLHP: 2 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
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CO1, CO2, CO3	Describe the types, causes, clinical examination, diagnosis, and management of dacryocystitis and dacryoadenitis.	CK	MK	KH	CBL, L, L_VC, L&PPT	S-LAQ, VV-Viva, P-VIVA, T-CS	F&S	1	-	LH
CO1, CO2, CO3	Define dry eye syndrome and elaborate on its types, causes, clinical examination, diagnosis, and management.	CAP	MK	KH	L, L_VC, PT, CBL, ML	P-VIVA, VV-Viva, S-LAQ	F&S	1	-	NLHT7.1
CO1, CO2, CO3	Describe the causes, clinical examination, diagnosis, principles of treatment, and management of watering of the eye/epiphora and lacrimation.	CAP	MK	KH	L&GD, L, D, LS, L_VC	T-CS, P-EXAM, S-LAQ, P-VIVA	F&S	1	-	NLHP7.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT7.1	Examination of lacrimal apparatus for dry eye.	The teacher will either physically demonstrate the examination of the lacrimal apparatus or through video clips including tests such as Schirmer's test (for tear production), Fluorescein dye test (to assess drainage), and Lacrimal syringing.ging.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP7.1	Assessment of watering of the eye.	The teacher will demonstrate the examination and test conducted in patients with watering of the eye through videos/PPTs/Patient.

Topic 8 امراض مجرى العين Amrād Mahjiryyn (Orbital Diseases) (LH : 1, NLHT: 1, NLHP: 0 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
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CO1, CO2, CO3	Discuss the types, causes, clinical examination, diagnosis, and management of exophthalmos.	CK	MK	KH	L&PPT , L_VC, L, CD, D- BED	T-CS, VV- Viva, M- POS, M- CHT, P- VIVA	F&S	1	-	LH
CO2, CO3, CO4	Describe the causes, clinical examination, diagnosis, and management of orbital cellulitis.	CAP	MK	K	D, L, L_VC, ML, CD	VV-Viva, P- VIVA, M- CHT, M- POS, S- LAQ	F&S	1	-	NLHT8.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT8.1	Clinical examination of orbital cellulitis.	The teacher will demonstrate the steps involved in the clinical examination and evaluation of the patient with Orbital Cellulitis.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
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Topic 9 **تشریح الاذن** Tashrīḥ al-Udhun (Anatomy of Ear) (LH : 1, NLHT: 0, NLHP: 1 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1	Identify the parts, blood supply, and nerve supply of the external ear, middle ear, and inner ear.	CC	MK	K	L&PPT , L&GD, L	T-OBT, QZ , VV-Viva, S-LAQ, PRN	F&S	1	V-TB	LH

CO1	Demonstrate the anatomy of the ear on the model.	PSY-GUD	MK	SH	L&GD, L, D-M	P-MOD, P- VIVA, VV- Viva, S- LAQ, CL- PR	F&S	1	V-TB	NLHP9.1
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
NLHP9.1	Demonstration of ear anatomy on the model.	The teacher will demonstrate the Ear Anatomy, Identify Key Structures on the Model, and explain various structures during the demonstration followed by an Interactive Q&A session with students.								
Topic 10 منافع الاذن Manāfi al-Udhun (Physiology of Ear) (LH : 1, NLHT: 0, NLHP: 0 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1	Describe the physiology of hearing and balance.	CC	MK	K	L&PPT , L	QZ , T- OBT, VV- Viva, S- LAQ	F&S	1	V-MA	LH
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
Non Lecture Hour Practical										

S.No	Name	Description of Practical Activity								
Topic 11 التهابی امراض اذن (Iltihābī Amrād Udhun (Inflammatory Disorders of Ear)) (LH : 4, NLHT: 1, NLHP: 0 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3, CO5	Describe types, causes, clinical features, clinical examination, differential diagnosis, diagnosis, complications, principles of treatment & treatment of otitis externa.	CK	MK	K	L, L&PPT	VV-Viva, P-VIVA, T-CS, S-LAQ, PRN	F&S	1	-	LH
CO2, CO3	Define acute suppurative otitis media and describe its causes, clinical features, clinical examination, diagnosis, complications, principles of treatment & treatment.	CC	MK	K	L&PPT , L&GD, L, L_VC	PRN, P-VIVA, VV-Viva, S-LAQ, T-CS	F&S	1	-	LH
CO3	Enumerate the surgical treatment of <i>acute</i> suppurative otitis media.	CC	DK	KH	L&PPT , L, L_VC	QZ , VV-Viva, T-CS	F&S	1	-	LH
CO2, CO3	Describe causes, clinical features, clinical examination, diagnosis, principles of treatment & treatment of chronic suppurative otitis media.	CC	MK	K	L&PPT , L, L_VC	T-OBT, CR-RED, S-LAQ, T-CS, QZ	F&S	1	-	LH
CO3	Discuss the surgical treatment of chronic suppurative otitis media.	PSY-GUD	DK	K	ML, L_VC, X-Ray, L	QZ , T-OBT, VV-Viva, INT	F&S	1	-	NLHT11.1
CO2, CO3	Enumerate complications of otitis media.	CC	DK	K	L&PPT , L_VC	T-CS, QZ , VV-Viva	F&S	1	-	LH
Non Lecture Hour Theory										

S.No	Name	Description of Theory Activity									
NLHT11.1	Surgical treatment of chronic suppurative otitis media.	The teacher will demonstrate the surgical management of Chronic Suppurative Otitis Media through video clips and further discuss the radiological diagnosis for surgical indications.									
Non Lecture Hour Practical											
S.No	Name	Description of Practical Activity									
Topic 12 علامات امراض اذن Alāmat-i Amrāḍ Udhun (Symptoms of Ear Disorders) (LH : 4, NLHT: 1, NLHP: 9 hours)											
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3	
CO2, CO3	Explain types, causes, clinical examination, differential diagnosis, diagnosis, principles of treatment & treatment of deafness.	CC	MK	K	LS, L&PPT, L&GD	CR-RED, S-LAQ, PRN, T-OBT, T-CS	F&S	1	-	NLHT12.1	
CO2, CO3	Describe types, causes, clinical examination, and treatment of tinnitus.	CC	MK	K	CBL, L&PPT, L, DIS	QZ, P-VIVA, VV-Viva, S-LAQ	F&S	1	-	LH	
CO2, CO3	Illustrate types, causes, clinical examination, differential diagnosis, complication, principles of treatment & treatment of otalgia.	CC	MK	K	L&GD, L&PPT, L, IBL, TUT	M-POS, T-OBT, S-LAQ, CL-PR, T-CS	F&S	1	-	LH	
CO2, CO3	Describe types, causes, differential diagnosis, complications, principles of treatment & treatment of otorrhoea.	CC	MK	K	L, L&PPT, CBL, DIS	T-CS, QZ, S-LAQ, VV-Viva	F&S	1	-	LH	

CO2, CO3	Enumerate types, causes, clinical examination, differential diagnosis, complication, principles of treatment & treatment of vertigo.	CC	MK	K	L&PPT , L, L&GD, PBL	S-LAQ, T- CS, M- POS, VV- Viva, M- CHT	F&S	1	-	LH
CO2	Demonstrate the correct technique of performing and interpreting tuning fork tests.	PSY-MEC	MK	SH	D-BED, CD, RP, D, L	P-VIVA, OSPE, P- PRF, VV- Viva, SP	F&S	1	-	NLHT12.2
CO2	Enumerate indications and interpret pure tone audiogram and impedance audiogram.	CAP	MK	KH	PT, LRI, ML, L_VC, L	PP- Practical, P- VIVA, VV- Viva	F&S	1	-	NLHP12.1
CO2	Enumerate indications and interpret otoacoustic emissions (OAEs) and brainstem evoked response audiometry (BERA).	CAP	NK	KH	LRI, ML, L_VC	PP- Practical, VV-Viva	F&S	1	-	NLHP12.2
CO2	Demonstrate the correct technique of assessment of vestibular functions.	PSY-GUD	MK	SH	D, L_VC, PT, ML, L&GD	P-VIVA, VV- Viva, S- LAQ, SP, PP- Practical	F&S	1	-	NLHP12.3
CO2	Demonstrate the correct use of a headlamp in the examination of the ear.	PSY-GUD	MK	SH	PL, D	P-PRF, PP- Practical, VV-Viva,	F&S	1	-	NLHP12.4

						DOPS, P-VIVA				
CO2	Demonstrate the steps involved in the examination of the ear.	PSY-GUD	MK	K	PL, PT, L, D	OSCE, VV-Viva, P-CASE, P-EXAM, P-VIVA	F&S	1	-	NLHP12.5
CO2	Demonstrate the correct technique of otoscopic examination of the ear.	PSY-GUD	MK	SH	PT, D, PL	SP, P-EXAM, P-VIVA, S-LAQ, OSCE	F&S	1	-	NLHP12.6

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT12.1	Unani concept of <i>Behrāpan</i> (deafness).	The teacher will demonstrate through PPT about Unani concept of <i>Behrāpan</i> (deafness) and direct students to visit the library to explore Unani literature regarding <i>Behrāpan</i> (deafness). (30 Minuit)
NLHT12.2	Assessment of hearing.	The teacher will demonstrate the correct technique for performing various tuning fork tests and teach students how to perform and interpret tuning fork tests. Thereafter, students will perform the tests in groups. (30Minuit)

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
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NLHP12.1	Assessment of hearing.	<p>The teacher will give</p> <p>1. Introduction to Hearing Assessment</p> <p>Introduce students to the importance of hearing assessment and the techniques used.</p> <p>2. Pure Tone Audiometry</p> <p>The teacher will explain how to interpret audiometry reports.</p> <p>3. Impedance Audiometry (Tympanometry)</p> <p>Teach how to interpret tympanometry reports.</p> <p>Thereafter, the students will be provided with sample reports for interpretation.</p> <p>The whole practical shall be conducted in two Non-lecture Practical hours.</p>
NLHP12.2	Assessment of hearing in the newborn.	<p>The teacher will teach students how to perform Otoacoustic Emissions (OAEs) and interpret the results through videos and when to use Brainstem Evoked Response Audiometry (BERA) and its diagnostic applications in assessing hearing loss, especially in cases of neural or brainstem disorders.</p>
NLHP12.3	Assessment of vestibular functions	<p>The teacher will give</p>

		<p>1. Introduction to the Vestibular System</p> <p>Introduce the anatomical and physiological aspects of the vestibular system.</p> <p>2. Clinical Examination</p> <p>Teach how to conduct a clinical vestibular examination.</p> <p>3. Documentation and Interpretation</p> <p>Teach students how to document findings and interpret results.</p> <p>The student will practice performing vestibular function tests on peers and interpret the results.</p> <p>The total duration of the practical is two NLHP hours.</p>
NLHP12.4	Examination of ear	<p>The teacher will give practical training on how to use a headlamp for the examination of the ear. Thereafter student will use the headlamp as per the training given by the teacher.</p>
NLHP12.5	Examination of ear	<p>The teacher will demonstrate the steps of examination of the ear and thereafter students will perform the examination on peers in groups.</p> <p>The total duration of the practical is two NLHP hours.</p>
NLHP12.6	Otoscopic examination of the ear.	<p>The teacher will give practical training on how to use an otoscope in the examination of the ear. Thereafter, students in groups will perform otoscopic examinations on peers.</p>

Topic 13 متفرق امراض عین واذن Mutafarrīq Amrād Ayn wa Udhun (Miscellaneous Eye and Ear Disorders) (LH : 1, NLHT: 2, NLHP: 9 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3	Describe causes, clinical features, clinical examination, differential diagnosis, complication, and treatment of otosclerosis.	CC	MK	K	L&PPT, L	S-LAQ, VV-Viva, M-CHT, P-VIVA, T-CS	F&S	1	-	LH
CO2, CO3	Define Menier`s disease and describe its causes, clinical features, clinical examination, differential diagnosis, complication, principles of treatment & treatment.	CC	MK	K	L&PPT, L, DIS	PRN, P-VIVA, T-CS, S-LAQ	F&S	1	-	LH
CO2, CO3	Explain causes, clinical features, clinical examination, differential diagnosis, complication, and treatment of impacted ear wax.	CAP	MK	KH	L_VC, L, L&PPT, PER, DIS	DOPS, PRN, S-LAQ, T-CS, VV-Viva	F&S	1	-	NLHT13.1
CO2, CO3	Observe and describe the indications for and steps involved in the removal of impacted ear wax.	PSY-MEC	MK	KH	DIS, D, L_VC, SIM, PER	QZ, P-VIVA, P-EXAM, SP, INT	F&S	1	-	NLHP13.1
CO2, CO3	Enumerate types, clinical features, clinical examination, differential diagnosis, complication, and treatment of the foreign body in the ear.	PSY-SET	MK	KH	SIM, CD, D, PL	QZ, T-CS, S-LAQ, PP-Practical, PRN	F&S	1	-	NLHT13.2
CO2, CO3	Demonstrate the indications for and steps involved in the removal of foreign bodies from the ear.	PSY-GUD	MK	KH	L, CBL, D, SIM, L_VC	P-EXAM, DOPS, VV-	F&S	1	-	NLHP13.2

						Viva, SP, DOPS				
CO3, CO6	Illustrate Unani peri-ocular and ocular therapies such as the application of kohl, qutoor-e-chashm, zamad, etc.	PSY-SET	MK	SH	D, L_VC, L, SIM	P-EXAM, S- LAQ, P- VIVA, DOPS, DOPS	F&S	1	-	NLHP13.3
CO2, CO3	Identify and describe the common instruments used in E.N.T. examination and surgery.	PSY-PER	MK	K	L_VC, PT, DIS, D, L	Log book, P-VIVA, P- EXAM, P- ID, QZ	F&S	1	-	NLHP13.4

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT13.1	Impacted ear wax.	The teacher will demonstrate a diagram/video of the ear and describe how ear wax is produced by glands in the ear canal, followed by a Q&A session on "What does ear wax do?" (protects, cleans, lubricates the ear, and prevents infections) and also discuss what happens when ear wax builds up.
NLHT13.2	Foreign body in the ear.	The students pair up and practice otoscopic examination on each other (if comfortable) or on simulated models with embedded foreign bodies.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
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NLHP13.1	Removal of impacted ear wax.	<p>The teacher will guide the students</p> <ul style="list-style-type: none"> to perform the procedure of removal of impacted wax in pairs or small groups: how and when to use ear drops before the removal of impacted ear wax. the correct technique for syringing wax from the ear in a simulated environment about the contraindications and complications of ear syringing.
NLHP13.2	Removal of foreign body of ear	The teacher will guide the students to perform and practice using vectis and syringing on models or patients with foreign bodies that need removal.
NLHP13.3	Unani local applicants for eye disorders.	The teacher will give guided demonstrations on the patient or through video clips on how to use local applicants for eye disorders.
NLHP13.4	Demonstration of instruments used in E.N.T.	<p>The teacher will demonstrate the various instruments used in E.N.T. and their proper usage for assessing and treating conditions related to the ear, nose, and throat. Followed by the Q&A session with students.</p> <p>The total duration of the practical will be six NLHP hours.</p>

Topic 14 امراض ملتحمه **Amrād Multahīma (Diseases of Conjunctiva)** (LH : 3, NLHT: 1, NLHP: 1 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1, CO2, CO3, CO4	Identify the different causes, types, clinical features, treatments, and complications of conjunctivitis.	CC	MK	KH	ML, L_VC, L&PPT , L, CD	M-CHT, PP- Practical, T-	F&S	2	-	LH

						CS, M-POS, PRN				
CO2, CO4	Demonstrate the steps of conjunctival examination and discuss the preventive measures related to conjunctivitis.	PSY-SET	MK	SH	L&PPT , D-BED, L_VC, L, CD	PP-Practical, P-VIVA, VV-Viva, OSCE, T-CS	F&S	2	-	NLHP14.1
CO2, CO3, CO5	Discuss the Unani concepts of conjunctivitis (Ramad), the diagnostic approaches, and the treatment strategies.	CC	MK	K	LS, L&PPT, L, FC	T-CS, M-POS, VV-Viva, S-LAQ, M-CHT	F&S	2	-	NLHT14.1
CO1, CO2	Identify, diagnose, and manage degenerative changes of the conjunctiva.	CK	DK	KH	L&PPT , L_VC	T-CS, M-POS, VV-Viva, M-CHT	F&S	2	-	LH

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT14.1	Conjunctivitis (Ramad) and its significance in Unani.	The student will visit the library to explore Unani literature related to Conjunctivitis (Ramad). Thereafter, the teacher will teach the students about the Unani concepts of conjunctivitis (Ramad), the diagnostic approaches, and the treatment strategies.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP14.1	Examination of conjunctiva.	<p>The teacher will demonstrate the examination of conjunctiva on the patient or through video clips/PPTs. The teacher will also teach students through videos/PPTs on preventive measures related to conjunctivitis such as</p> <ul style="list-style-type: none"> • Proper hygiene: Handwashing and avoiding touching eyes • Avoiding allergens • Avoiding shared towels or other personal items

Topic 15 امراض الطبقة الصلبة Amrāḍ al-Ṭabaqa al-Ṣulbiyya (Diseases of Sclera) (LH : 1, NLHT: 0, NLHP: 1 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3	Identify the steps of clinical examinations in diseases of the sclera (scleritis and episcleritis)	PSY-SET	MK	SH	L_VC, L&PPT, D	P-EXAM, OSCE, P-VIVA	F&S	2	-	NLHP15.1
CO2, CO3	Enumerate the causes, types, clinical features, and treatment of diseases of the sclera (scleritis and episcleritis).	CK	MK	K	L&PPT	T-CS, P-EXAM, P-VIVA	F&S	2	-	LH

Non Lecture Hour Theory

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

S.No	Name	Description of Practical Activity
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NLHP15.1	Examination of sclera.	The teacher will demonstrate the examination of the sclera on the patient or video clips/PPT.
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Topic 16 أمراض العين القرنية **Amrād al-Ṭabaqa al-Qarniyya (Diseases of Cornea)** (LH : 3, NLHT: 2, NLHP: 1 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1, CO2, CO3	Define acute and chronic keratitis and describe their types, causes, clinical examination, diagnosis, and management.	CK	MK	K	L_VC, PT, D-BED, L&PPT, L	M-POS, M-CHT, P-VIVA, VV-Viva, T-CS	F&S	2	-	LH
CO1, CO2, CO3, CO5	Enumerate the non-infectious corneal disorders such as keratoconus, corneal ulcers, keratectasia, and traumatic corneal injuries and their management.	CAP	MK	K	ML, L, L&PPT, FC, L_VC	M-POS, S-LAQ, M-CHT, T-CS, VV-Viva	F&S	2	-	NLHT16.1
CO2, CO3	Describe the types, causes, clinical examination, diagnosis, principles of treatment, and management of corneal opacity.	PSY-GUD	MK	SH	L&PPT, L, L_VC	T-CS, M-CHT, S-LAQ, M-POS	F&S	2	-	NLHP16.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT16.1	Non-infectious corneal disorders.	The students will explore the literature through mobile learning about Non-infectious Corneal Disorders, thereafter the teacher will teach the students through videos/PPT about Non-infectious Corneal Disorders in a flipped classroom.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP16.1	Corneal opacity.	The teacher will educate the students with the help of video clips, models, PPTs or posters, etc. about corneal opacity and the students will be encouraged to understand the topic.

Topic 17 امراض عينية Amrād-i 'Inabiyya (Diseases of Uveal tract) (LH : 2, NLHT: 4, NLHP: 1 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3, CO5	Explain and present the types, causes, clinical examination, diagnosis, and management of uveitis.	PSY-SET	MK	KH	ML, PT, L, L_VC, L&PPT	VV-Viva, P-VIVA, S-LAQ, PRN, M-CHT	F&S	2	-	NLHT17.1
CO2, CO3	Describe the causes, clinical features, clinical examination, diagnosis, and management of miosis and mydriasis.	CK	MK	SH	D-M, L&PPT, L_VC, D-BED, DIS	T-CS, PP-Practical, P-VIVA, Log book, S-LAQ	F&S	2	-	LH
CO1	Demonstrate anatomy and physiology of the uveal tract.	PSY-SET	DK	KH	L, D-M, L_VC	P-VIVA, M-CHT, VV-Viva, M-POS	F&S	2	-	NLHP17.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
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NLHT17.1	Uveal tract and its disorders.	The teacher will teach the students about the Uveal Tract and its disorder specifically Uveitis through videos/PPT and thereafter students will be encouraged to present.
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Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP17.1	Anatomy and physiology of uveal tract.	The teacher will demonstrate the anatomy and physiology of the Uveal Tract through videos/PPTs or on a model.

Topic 18 امراض شبكية Amrād-i Shabkiyya (Diseases of Retina) (LH : 3, NLHT: 0, NLHP: 3 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3, CO5	Describe the causes, clinical features, clinical examination, diagnosis, and management of retinitis and retinal detachment.	CK	MK	K	L, CBL, L&PPT, L_VC, D-BED	M-CHT, C-VC, T-CS, M-POS, P-CASE	F&S	2	-	LH
CO1, CO2, CO3, CO6	Identify the diabetic and hypertensive effects on the retina.	PSY-GUD	MK	SH	L, L_VC, CBL, L&PPT, ML	PP-Practical, P-ID, VV-Viva, PRN, M-CHT	F&S	2	-	NLHP18.1

Non Lecture Hour Theory

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

S.No	Name	Description of Practical Activity
NLHP18.1	Diabetic and Hypertensive retinopathy.	The teacher will teach the students through videos/PPTs about retina screening in patients with diabetes and hypertension. Thereafter, the student will explore images through mobile learning of changes in the retina due to diabetes and hypertension.

Topic 19 **تشریح و منافع الانف و تجاویف الانف** Tashrīḥ wa Manāfi' al-Anf wa Tajāwif al-Anf (Anatomy and Physiology of the Nose and Paranasal Sinus) (LH : 1, NLHT: 1, NLHP: 0 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1, CO6	Demonstrate the anatomy of the nose & paranasal sinuses on the model.	PSY-SET	MK	KH	D, D-M, L	P-VIVA, PRN, VV-Viva, M-CHT, S-LAQ	F&S	2	V-TB	NLHT19.1
CO1	Describe the physiology of the nose & paranasal sinuses.	CC	MK	KH	L, L&PPT	T-CS, P-VIVA, PRN, QZ	F&S	2	V-MZ	LH

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT19.1	Demonstration of anatomical structures of the nose and paranasal sinuses.	The teacher will demonstrate the anatomical structures of the nose and PNS on the model. The student must be able to identify structures and perform the model presentation of the nose and PNS.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
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Topic 20 میکانیزم و فساد شام و فساد شام Mikanīyāt Shamm wa Fasād-i Shamm (Mechanism of Olfaction and Disorder of Olfaction) (LH : 0, NLHT: 1, NLHP: 0 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3, CO5	Illustrate the mechanism of olfaction and describe the types, causes, clinical examination, diagnosis, treatment principles, and management of olfaction-related disorders.	CAP	MK	KH	L, L_VC, L&PPT	M-CHT, P- EXAM, T- CS, VV- Viva, P- VIVA	F&S	2	-	NLHT20.1
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
NLHT20.1	Mechanism of olfaction.	The teacher will demonstrate the mechanism of olfaction through videos/PPTs and describe the olfaction-related disorders.								
Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
Topic 21 التهابی امراض انف و تجاویف انف Itihābī Amrāḍ Anf wa Tajāwīf Anf (Inflammatory Disorders of Nose and PNS) (LH : 4, NLHT: 0, NLHP: 0 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3, CO5, CO6	Enumerate the surgical management of rhinitis and rhinosinusitis/sinusitis.	CK	DK	K	L&PPT , PER, L&GD, L_VC	M-POS, T- CS, M- CHT, VV- Viva, P- VIVA	F&S	2	-	LH

CO2, CO3, CO5, CO6	Explain the types, causes, clinical examination, diagnosis, treatment principles, and management of sinusitis/rhinosinusitis.	CK	MK	KH	L_VC, X-Ray, L, L&PPT, CD	S-LAQ, M-POS, T-CS, VV-Viva, M-CHT	F&S	2	-	LH
CO2, CO3, CO5, CO6	Describe the types, causes, clinical examination, diagnosis, treatment principles, and management of rhinitis.	CK	MK	KH	CBL, L_VC, EDU, L, L&GD	P-EXAM, VV-Viva, S-LAQ, T-CS, M-CHT	F&S	2	-	LH

Non Lecture Hour Theory

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

S.No	Name	Description of Practical Activity
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Topic 22 دیگر امراض انف Dīgar Amrāḍ Anf (Other Nose Disorders) (LH : 1, NLHT: 4, NLHP: 8 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3, CO5, CO6	Explain the types, causes, clinical examination, diagnosis, and management of deviated nasal septum (DNS).	CK	MK	K	L_VC, L&PPT, CBL, L, L&GD	P-VIVA, M-CHT, S-LAQ, T-CS, VV-Viva	F&S	2	-	LH
CO2, CO3, CO5, CO6	Describe the types, causes, clinical examination, diagnosis, principles of treatment, and management epistaxis.	CK	MK	KH	L&GD, CBL, L&PPT, L_VC, L	P-VIVA, S-LAQ, T-CS, VV-Viva, M-CHT	F&S	2	-	LH

CO3, CO5, CO6	Identify differential diagnosis, initial management, and complications of epistaxis.	CAP	DK	SH	L&PPT , CBL, L_VC, L&GD	T-CS, VV- Viva, P- VIVA, DOPS, DOPS	F&S	2	-	NLHT22.1
CO3, CO5, CO6	Describe the causes, clinical examination, diagnosis, and principles of treatment of nasal vestibulitis (nasal boils and ulcers).	CK	DK	K	L, L&PPT , L_VC, L&GD	T-OBT, T- CS, VV- Viva	F&S	2	-	NLHT22.2
CO2, CO3, CO5, CO6	Illustrate the types, clinical examination, diagnosis, and management of foreign bodies in the nose.	PSY-SET	MK	SH	ML, L&PPT , TUT, CD, L_VC	T-CS, P- VIVA, M- CHT, SP, VV-Viva	F&S	2	-	NLHP22.1
CO2, CO3, CO5, CO6	Define nasal polyps and describe their types, causes, clinical examination, diagnosis, principles of treatment, and management.	CAP	MK	KH	ML, L_VC, L&PPT , DIS	P-VIVA, VV- Viva, P- EXAM, INT, T-CS	F&S	2	-	NLHP22.2
CO2, CO3, CO5, CO6	Discuss the types, causes, clinical examination, and diagnosis of benign and malignant tumors of the nose.	CC	DK	K	L_VC, L&PPT , L&GD, L	T-CS, M- POS, QZ , VV-Viva, M- CHT	F&S	2	-	NLHT22.3
CO2, CO6	Observe and describe the indications and steps involved in the performance of diagnostic nasal endoscopy.	PSY-SET	DK	KH	TUT, L_VC, L, L&PPT	P-VIVA, VV- Viva, M- CHT, P-ID, P-EXAM	F&S	2	-	NLHP22.3

CO2, CO6	Demonstrate and describe the indications and steps involved in the performance of anterior and posterior rhinoscopy.	PSY-GUD	MK	SH	D-BED, TUT, ML, D, L	P-VIVA, DOPS, P-ID, SP, P-PRF	F&S	2	-	NLHP22.4
CO2, CO6	Demonstrate the steps involved in the examination of the nose and paranasal sinuses.	PSY-GUD	MK	KH	PL, L_VC, D-BED, D, L	P-EXAM, DOPS, DOPS, VV-Viva	F&S	2	-	NLHP22.5

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT22.1	Initial management in epistaxis.	<p>The teacher will demonstrate the initial management of Epistaxis to control the bleeding through video clips/PPT and further demonstrate various procedures used to control the bleeding in epistaxis including Unani management. This will be followed by group discussions and Q&A sessions with students.</p> <p>The total duration for this activity is two NLHT hours.</p>
NLHT22.2	Basic knowledge of nasal vestibulitis (nasal boils and ulcers).	The students are encouraged to understand the basics of nasal vestibulitis (nasal boils and ulcers) and manage them by exploring Unani literature.
NLHT22.3	Benign and malignant tumors of the nose.	The teacher will educate through PPT/Video Clips about benign and malignant tumors of the nose and encourage the students to study and understand the basics of benign and malignant nose tumors.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP22.1	Removal of foreign body from the nose.	<p>The teacher will give</p> <ol style="list-style-type: none"> 1. Introduction to the Procedure 2. Equipment Preparation <p>Ensure the availability and sterilization of the equipment.</p> <ol style="list-style-type: none"> 3. Explanation of Step-by-Step Procedure of removal of foreign body from the nose.
NLHP22.2	Nasal polyp.	<p>The teacher will educate the students about nasal polyps through video clips/PPT and the students will be asked to further explore Unani literature to understand the clinical presentation of Nasal polyps and its management accordingly. This will be followed by a group discussion amongst students about the impact of pollution/allergens on nasal polyps.</p> <p>The total duration for this activity is two NHLP hours.</p>
NLHP22.3	Nasal endoscopy.	<p>The teacher will give</p> <ol style="list-style-type: none"> 1. Introduction to Endoscopy <p>Explain the basic concepts and importance of nasal and laryngeal endoscopy in clinical practice.</p> <ol style="list-style-type: none"> 2. Endoscope Handling through equipment or video

		<p>Demonstrate the correct handling of the endoscope.</p> <p>3. Preparing the Patient</p> <p>Teach the proper patient preparation for nasal and laryngeal endoscopy.</p> <p>4. Performing Nasal Endoscopy (taught through live procedure or video)</p> <p>Demonstrate nasal endoscopy techniques.</p>
NLHP22.4	Anterior and posterior rhinoscopy.	<p>The teacher will demonstrate the technique of</p> <p>1. Anterior Rhinoscopy:</p> <p>Step-by-step Activities: (Live or through videos)</p> <ul style="list-style-type: none"> • Introduction and Explanation: • Preparation of Equipment: • Patient Positioning: • Examination Technique <p>2. Posterior Rhinoscopy: (Live or through videos)</p> <ul style="list-style-type: none"> • Introduction and Explanation: • Preparation of Equipment: • Patient Positioning: • Examination Technique

		<p>This will be followed by Q & A sessions with students and then students will practice the technique.</p> <p>The total duration for this activity is two NLHP hours.</p>
NLHP22.5	Examination of the nose.	<p>The teacher will demonstrate the correct technique of examination of the nose & paranasal sinuses including the use of nasal speculum. This is followed by students using the nasal speculum on peers/amongst themselves in groups.</p> <p>The total duration of this activity is two NHLP hours.</p>

Topic 23 التهابی امراض حلق (Inflammatory Disorders of Throat) (LH : 6, NLHT: 2, NLHP: 2 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1, CO2, CO3	Describe the anatomy of the pharynx, and describe causes, pathogenesis, types, signs & symptoms, the principle of treatment, and management of pharyngitis.	CAP	MK	KH	D-M, L&GD, L&PPT	DOPS, DOPS, VV-Viva, M-CHT, T-CS	F&S	2	V-TB	NLHT23.1
CO1, CO2, CO3	Identify the anatomy of adenoid, describe causes, signs & symptoms, diagnosis, and treatment of adenoid hypertrophy.	CK	MK	KH	L&GD, D-M, L&PPT	P-CASE, M-MOD, M-POS, P-POS, P-VIVA	F&S	2	-	LH
CO1, CO2, CO3, CO5	Discuss the anatomy of tonsils, describe causes, types, signs & symptoms, differential diagnosis, the principle of treatment, management, and complications of tonsillitis.	CK	MK	KH	L&GD, L&PPT, L	PRN, T-CS, S-LAQ, VV-	F&S	2	-	LH

						Viva, P-VIVA				
CO2, CO3	Define peritonsillar abscess (quinsy), and describe its causes, signs & symptoms, clinical examination, investigation, treatment, and complications.	CK	MK	KH	L&PPT, L, L&GD	P-VIVA, VV-Viva, M-CHT, T-CS, S-LAQ	F&S	2	-	LH
CO1, CO2, CO3	Identify the anatomy and physiology of the larynx, describe classification, signs & symptoms, diagnosis, principles of treatment, and management of laryngitis.	CK	MK	KH	L, L&GD, L&PPT	P-VIVA, S-LAQ, M-CHT, T-CS, VV-Viva	F&S	2	-	LH
CO2	Demonstrate the steps involved in the examination of the throat.	PSY-GUD	MK	K	D, L, PT, L&GD, L_VC	VV-Viva, P-EXAM, QZ, DOPS, DOPS	F&S	2	-	NLHP23.1
CO2	Demonstrate the correct technique of examination of the throat; including using a tongue depressor.	PSY-GUD	MK	SH	PT, D, D-BED, L	VV-Viva, PP-Practical, P-VIVA, DOPS, DOPS	F&S	2	-	NLHP23.2

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
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NLHT23.1	Regimenal and diet therapy in pharyngitis	In practical activity, the teacher will demonstrate various methods of regimenal and dieto-therapy advised in the treatment of pharyngitis through videos/PPT.								
Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
NLHP23.1	Examination of throat	The teacher will demonstrate the steps involved in the examination of the throat live on the patient or through videos. This will be followed by a group discussion with students.								
NLHP23.2	Examination of the throat with a tongue depressor.	The teacher will demonstrate the correct technique of using the tongue depressor for the examination of the throat. The students will practice using the tongue depressor among themselves in groups.								
Topic 24 علامات امراض حلق Alāmat-i Amrāḍ Ḥalaq (Symptoms of Throat Disorders) (LH : 2, NLHT: 1, NLHP: 1 hours)										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO3	Explain causes, investigation, principle of treatment, and management of hoarseness of voice.	CAP	MK	KH	L&PPT , D, L, L_VC	P-EXAM, S-LAQ, T-CS, M-CHT, P-VIVA	F&S	2	-	NLHT24.1
CO2, CO3	Illustrate causes, investigation, and treatment of dysphagia.	CK	MK	KH	L&PPT , L, L&GD	S-LAQ, VV-Viva, M-CHT, P-VIVA, T-CS	F&S	2	-	LH
CO2, CO3	Describe the mechanism, causes, clinical examination, and treatment of snoring and sleep apnoea.	CK	DK	KH	L&GD, L, L&PPT	T-CS, PP-Practical,	F&S	2	-	LH

						M-CHT, P-VIVA, VV-Viva				
CO2, CO6	Observe and describe the indications for and steps involved in the performance of rigid/flexible laryngoscopy.	CAP	DK	KH	DL, L, L_VC, PT, PER	VV-Viva, P-VIVA	F&S	2	-	NLHP24.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT24.1	Regimenal and diet therapy in hoarseness of voice.	In practical activity, the teacher will demonstrate various methods of regimenal and diet therapy advised in the treatment of hoarseness of voice through videos/PPT.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP24.1	Basic Introduction of laryngeal endoscopy.	<p>The teacher will give PPT on</p> <p>1. Introduction to Endoscopy</p> <p>Explain the basic concepts and importance of nasal and laryngeal endoscopy in clinical practice.</p> <p>2. Endoscope Handling</p> <p>Demonstrate the correct handling of the endoscope.</p>

		<p>3. Preparing the Patient</p> <p>Teach the proper patient preparation for nasal and laryngeal endoscopy.</p> <p>4. Performing Laryngeal Endoscopy</p> <p>Teach laryngeal endoscopy using both rigid and flexible endoscopes through live procedures or videos.</p>
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Topic 25 متفرق امراض عين، اذن، انف و حلق Mutafarrīq Amrāḍ Ayn, Udhun, Anf, wa Ḥalaq (Miscellaneous Eye and E.N.T. Disorders) (LH : 2, NLHT: 0, NLHP: 22 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO2, CO4, CO5	Appraise the patient/healthy individual for the implementation of asbab-e-sitta zaruriya in ophthalmology, especially on the preventive aspect.	AFT-RES	DK	SH	L&PPT , L&GD, DIS	SBA, VV-Viva, M-CHT, INT, P-EXAM	F&S	2	-	NLHP25.1
CO3, CO5	Enlist Unani drugs used in the treatment of E.N.T. diseases.	CAN	MK	K	L&PPT , L, DIS	P-EXAM, T-OBT, VV-Viva	F&S	2	-	NLHP25.2
CO2, CO4, CO6	Elicit the history and document the case sheets of Ophthalmology and E.N.T. patients.	PSY-GUD	MK	D	L&GD, CD, D-BED, SIM	SBA, P-EXAM, Log book, COM, RK	S	2	-	NLHP25.3
CO2, CO3	Explain the causes, signs & symptoms, treatment, and complications of Ludwig's angina.	CK	DK	KH	L, L&GD, L&PPT	VV-Viva, T-CS, P-EXAM	F&S	2	-	LH

CO2, CO3	Describe types, causes, signs & symptoms, and treatment of laryngeal paralysis.	CK	DK	KH	L, L&GD, L&PPT	T-CS, VV- Viva, P- EXAM	F&S	2	-	LH
Non Lecture Hour Theory										
S.No	Name	Description of Theory Activity								
Non Lecture Hour Practical										
S.No	Name	Description of Practical Activity								
NLHP25.1	Implementation of asbab-e-sitta zaruriya in ophthalmology.	<p>The teacher will give PPT on</p> <ol style="list-style-type: none"> 1. Introduction to Asbab-e-Sitta Zaruriya <ul style="list-style-type: none"> • Explain the concept and importance of the Six Essential Causes (Asbab-e-Sitta Zaruriya) in maintaining health. 2. Practical Demonstrations and Discussions <ul style="list-style-type: none"> • Demonstrate how Asbab-e-Sitta Zaruriya is applied in diagnosing and managing eye conditions in the community. 3. Prevention and Management <ul style="list-style-type: none"> • Teach students to implement preventive and therapeutic measures based on Asbab-e-Sitta Zaruriya. <p>The Total duration for this activity is two NLHP hours.</p>								

NLHP25.2	Unani drugs used in the treatment of E.N.T. diseases.	<p>The teacher will give PPT on</p> <ol style="list-style-type: none"> 1. Introduction to the Topic <ul style="list-style-type: none"> • Explain the importance of locally used Unani drugs in treating ENT disorders. • Activity: Provide an overview of the traditional and contemporary significance of Unani medicine in managing common ENT ailments. 2. Demonstration of Drugs and Their Preparation <ul style="list-style-type: none"> • Show how Unani drugs are prepared and applied for ENT disorders. 3. Explanation of Therapeutic Actions <ul style="list-style-type: none"> • Discuss the therapeutic actions of each drug. 4. Practical Application and Techniques <ul style="list-style-type: none"> • Demonstrate the practical application of Unani treatments. <p>The total duration of this activity will be four NLHP hours.</p>
NLHP25.3	Orientation of case-taking in Ophthalmology, E.N.T. and Dentistry.	<p>The teacher will guide the student to</p> <p>Step 1: Introduction to Case Sheets</p>

		<p>Explain the purpose and importance of patient case sheets in clinical practice.</p> <p>Step 2: Practical Demonstration</p> <p>Live Demonstration: Conduct a live demonstration using a simulated or real patient for Ophthalmology and E.N.T. case sheets.</p> <p>Student Participation: Allow students to practice under supervision, focusing on history-taking and examination techniques.</p> <p>Step 3: Assign Individual Practice</p> <p>Case Assignments: Assign students 10 Ophthalmology and 10 E.N.T.(including Dentistry) cases to complete independently.</p> <p>Step4: Evaluation</p> <p>Case-Sheet Assessment: Evaluate the submitted case sheets based on completeness, accuracy, and clarity.</p> <p>The total duration for this activity will be 16 NLHP hours.</p>								
<p>Topic 26 عین کے حجرہ مقدم کے امراض Ayn ke hujra muqaddam ke Amrāḍ (Diseases of Anterior Chamber of Eye) (LH : 3, NLHT: 1, NLHP: 1 hours)</p>										
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3

CO2, CO3	Define intraocular pressure (IOP) and recognize the concept of glaucoma, its types, pathophysiology, signs & symptoms, and complications of glaucoma.	CC	MK	KH	CD, L&PPT, PT, L_VC	S-LAQ, M-CHT, T-CS, VV-Viva, P-VIVA	F&S	3	-	LH
CO2, CO6	Identify and discuss the Unani perspective on glaucoma and its treatment.	CAP	MK	SH	DIS, CD, D, DL, PT	VV-Viva, S-LAQ, T-CS, Log book, PP-Practical	F&S	3	-	NLHT26.1
CO2, CO6	Identify and recognize the various diagnostic methods for glaucoma.	PSY-GUD	MK	SH	L_VC, ML, L&PPT, CD, EDU	P-VIVA, P-ID, DOPS, M-CHT, VV-Viva	F&S	3	-	NLHP26.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT26.1	Unani perspective on glaucoma and its treatment.	The teacher will explain through lecture/PPT about the Unani perspective on glaucoma. This will be followed by a group discussion with students.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP26.1	Diagnostic methods for glaucoma.	The teacher will demonstrate through videos/PPTs, various diagnostic methods used in Glaucoma such as

		<p>Specific Tests:</p> <ul style="list-style-type: none"> • Tonometry (measuring IOP): The teacher will demonstrate the various methods of examination of intraocular pressure / Tonometry through videos/PPT/patients. • Gonioscopy (angle examination) • Perimetry (visual field testing) • Optical coherence tomography (OCT) <p>Teaching Aids</p> <ul style="list-style-type: none"> • PowerPoint slides with images (e.g., diagrams of eye anatomy, optic nerve, glaucoma stages) • Short videos demonstrating tonometry or gonioscopy techniques • Flowcharts summarizing glaucoma classification and treatment. <p>This will be followed by a group discussion on general awareness about glaucoma and Glaucoma Day.</p>
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Topic 27 امراض عدسة Amrād-i 'Adasa (Diseases of Lens) (LH : 3, NLHT: 1, NLHP: 2 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO6	Observe and elicit the correct technique to examine the anterior structure of the eye through slit lamp examination.	PSY-SET	DK	SH	L_VC, TUT, DL, L&PPT	VV-Viva, M- CHT, DOPS,	F&S	3	-	NLHP27.1

						DOPS, PP- Practical				
CO1, CO2, CO5	Apprise the lens anatomy and describe the types, causes, diagnosis, and management of cataracts.	CK	MK	SH	L&PPT , D- BED, CBL, CD, L_VC	P-VIVA, T- CS, M- CHT, S- LAQ	F&S	3	-	LH
CO2, CO5	Describe Unani's perspectives on eye lens diseases.	CAP	MK	KH	L&PPT , ML, L_VC	M-CHT, S- LAQ, VV- Viva, T-CS	F&S	3	-	NLHT27.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT27.1	Unani perspectives on eye lens diseases.	<p>The teacher will explain the Unani Perspectives on Eye Lens Diseases, this will be followed by group discussion amongst students, and after the activity students should be able to understand cataract types, and development, especially the Unani perspective on cataracts.</p> <p>Teaching Aids</p> <ul style="list-style-type: none"> • PowerPoint slides with visuals of eye anatomy and lens diseases. • Diagrams and videos demonstrating cataract stages and surgery.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity									
NLHP27.1	Slit lamp examination (examination of the anterior structure of the eye).	The teacher will give hands-on training on equipment or through videos/PPTs to handle, operate, slit lamp and elicit anterior structures of the eye through slit lamp examination. This will be followed by a Q & A session with students.									
Topic 28 متفرق امراض عين Mutafarrīq Amrād Ayn (Miscellaneous Disorder of Eye) (LH : 5, NLHT: 2, NLHP: 15 hours)											
A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3	
CO7	Enlist the historical contributions of Greco-Arabic scholars in the development of ophthalmology.	CC	MK	K	L, ML, L&GD, LS, L&PPT	DEB, T-OBT, PRN, QZ, T-CS	F&S	3	-	LH	
CO2, CO3, CO6	Classify foreign bodies in the eye and describe the symptoms, management, and complications of ocular foreign bodies.	CC	MK	K	L&PPT, L_VC, L, PBL, D-BED	S-LAQ, T-CS, VV-Viva, QZ, M-CHT	F&S	3	-	LH	
CO2, CO3	Demonstrate the correct technique used in the removal of foreign bodies from the eye.	PSY-GUD	MK	SH	L_VC, CBL, SIM, D	QZ, SP, VV-Viva, PP-Practical, T-CS	F&S	3	-	NLHP28.1	
CO2, CO3	Describe the types, clinical features, and management of ocular injuries.	CC	DK	K	L, L_VC, L&PPT	VV-Viva, T-CS, P-VIVA	F&S	3	-	LH	

CO2, CO3, CO4, CO5	Identify the ocular signs and symptoms associated with systemic diseases.	CC	DK	K	L, CD, L_VC, DIS, L&PPT	T-CS, P- VIVA, M- CHT, CL- PR	F&S	3	-	LH
CO2, CO3	Identify and describe the common instruments used in eye examination and surgery.	PSY-GUD	MK	SH	D, PT, DL, L_VC	P-ID, P- VIVA, Log book	F&S	3	-	NLHP28.2
CO2	Compile a record book of at least 10 Ophthalmology instruments	PSY-PER	MK	KH	PT, L&GD	P-EXAM, RK, Log book, COM	F&S	3	-	NLHP28.3
CO2, CO3	Enlist Unani drugs used in the treatment of eye diseases.	CAP	MK	K	DIS, L, L&PPT, L&GD, ML	VV-Viva, T- OBT	F&S	3	-	NLHT28.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT28.1	Unani drugs used in the treatment of eye diseases.	<p>The teacher will give PPT on</p> <p>Step 1: Introduction to Unani Drugs for Eye Diseases</p> <p>Step 2: Application and its techniques</p> <p>Drug Administration Techniques:</p>

		<ul style="list-style-type: none"> • Demonstrate methods like applying Surma, instilling eye drops, and using eye washes. <p>Patient Assessment:</p> <ul style="list-style-type: none"> • Explain how to assess patients' symptoms and choose appropriate drugs. • Discuss contraindications and drug interactions. <p>Simulated Practice (Wherever possible)</p> <ul style="list-style-type: none"> • Conduct role-play activities where students practice administration under supervision.
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Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP28.1	Removal of the foreign body from the eye.	The teacher will familiarize students with the tools and techniques used for the removal of foreign bodies from the eye. This demonstration may be done through visual aids or in a simulated environment if available.
NLHP28.2	Ophthalmic instruments.	<p>The teacher will give a practical demonstration or through visual aids/PPTs</p> <ul style="list-style-type: none"> • Display of instruments (if available). • Videos or images demonstrating proper use. • To familiarize students with key ophthalmic instruments used in diagnosing and treating eye conditions.

		The total duration of this practical is seven NLHP hours.
NLHP28.3	Record book of ophthalmic instruments.	<p>The teacher will explain</p> <ol style="list-style-type: none"> Introduction to the Record Book <ul style="list-style-type: none"> Explain the importance of a Record Book in documenting ophthalmology instruments and their uses. Understanding the Structure of the Record Book <ul style="list-style-type: none"> Familiarize students with the layout and sections of the record book. Filling in the Record Book <ul style="list-style-type: none"> Guide students through completing an entry in the record book. <p>The student will compile a logbook of at least 10 ophthalmic instruments.</p> <p>The total duration for this practical will be seven NLHP hours.</p>

Topic 29 امراض الفم Amrāḍ al-Fam (Disorders of Oral Cavity) (LH : 6, NLHT: 3, NLHP: 3 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1	Describe anatomy & physiology of oral cavity.	CK	MK	KH	L&GD, L, L&PPT	T-CS, P-EXAM, VV-Viva	F&S	3	V-TB	LH

CO2, CO3	Define stomatitis and mouth ulcers and describe their types, causes, signs & symptoms, principles of treatment, and management.	CAP	MK	KH	D, L&PPT , L_VC	M-CHT, VV- Viva, S- LAQ, DOPS, DOPS	F&S	3	-	NLHT29.1
CO2, CO3	Describe causes, types, signs & symptoms, and treatment of cancrum oris/deep ulcers of mouth.	CK	MK	KH	L&GD, L&PPT , L	VV-Viva, P- EXAM, T- CS	F&S	3	-	LH
CO2, CO3	Identify causes, signs & symptoms, pathology, differential diagnosis, and advise investigation and treatment of oral submucous fibrosis.	CK	MK	KH	L&GD, L, L&PPT	VV-Viva, S- LAQ, P- EXAM, T- CS	F&S	3	-	LH
CO2, CO3	Describe the causes and treatment of halitosis and sialorrhoea/ptyalism.	CK	MK	KH	L&PPT , L, L&GD	S-LAQ, T- CS, CR-W, VV-Viva, P- EXAM	F&S	3	-	LH
CO2, CO3	Explain types, signs & symptoms, principle of treatment, advise investigation, identify complications and treatment of parotitis.	CK	MK	KH	L&PPT , L, L&GD	P-EXAM, T- CS, VV- Viva	F&S	3	-	LH
CO2	Illustrate types, clinical examination, and investigation of cancers of the oral cavity.	CK	MK	KH	L&GD, L&PPT , L	VV-Viva, M- CHT, T-CS, P-EXAM	F&S	3	-	LH

CO2, CO3	Explain the causes and treatment of cheilitis and herpes labialis.	CK	MK	KH	L, L&PPT, L&GD	VV-Viva, T-CS, P-EXAM	F&S	3	-	LH
CO2	Demonstrate the steps involved in the examination of the oral cavity.	PSY-SET	MK	KH	L&PPT, L, D, D-BED	OSCE, P-EXAM, VV-Viva	F&S	3	-	NLHP29.1

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT29.1	Regimenal and diet therapy in stomatitis and mouth ulcers.	In practical activity, the teacher will demonstrate various methods of regimenal and diet therapy advised in the treatment of Stomatitis and Mouth Ulcers through videos/PPT.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
NLHP29.1	Examination of the oral cavity.	The teacher will demonstrate the steps involved in the examination of the oral cavity. This will be followed by a group discussion with students.

Topic 30 امراض لسان Amrāḍ Lisān (Disorders of Tongue) (LH : 1, NLHT: 2, NLHP: 0 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1	Apprise anatomy & physiology of tongue.	CAP	MK	KH	D-M, L_VC, L&PPT	M-MOD, P-EXAM, M-CHT, VV-Viva	F&S	3	-	NLHT30.1

CO2, CO3	Describe causes, types, signs & symptoms, principle of treatment, and treatment of glossitis.	CK	MK	KH	L, L&PPT , L&GD	T-CS, VV-Viva, P-EXAM	F&S	3	-	LH
CO2, CO3	Illustrate causes, types, signs & symptoms, the principle of treatment, and treatment of fissured tongue and macroglossia.	CK	MK	KH	L&PPT , L, L&GD	VV-Viva, T-CS, P-VIVA	F&S	3	-	LH

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT30.1	Anatomy & physiology of tongue.	The teacher will demonstrate on model or through video/PPTs to teach the anatomy & physiology of the Tongue.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
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Topic 31 ~~Asnān~~ Asnān (Dentistry) (LH : 3, NLHT: 3, NLHP: 4 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO1	Demonstrate anatomy and physiology of teeth and gums.	CAP	MK	KH	L&PPT , D-M, L_VC, L	P-VIVA, P-REC, M-CHT	F&S	3	V-TB	NLHT31.1
CO1, CO2, CO3	Describe the causes & treatment of odontalgia and dental carries, tartar, and plaque.	CK	MK	K	DIS, L&PPT , L	P-EXAM, VV-Viva, T-CS	F&S	3	-	LH

CO2, CO3, CO5, CO6	Explain the causes and treatment of periodontitis-loosening of teeth/pyorrhoea.	CK	MK	KH	DIS, L, L&GD, L&PPT , D- BED	T-CS, VV- Viva, P- VIVA	F&S	3	-	LH
CO2, CO3	Describe the causes and treatment of gingivitis and bleeding gums.	CK	MK	KH	DIS, L&PPT , L, CBL, L&GD	P-CASE, VV-Viva, P- VIVA, T-CS	F&S	3	-	LH
CO1, CO2	Demonstrate the steps involved in the examination of teeth and gums.	PSY-SET	MK	SH	D, L&GD, SIM, DIS, L&PPT	VV-Viva, OSCE, P- EXAM	F&S	3	-	NLHP31.1
CO2, CO4	Enumerate the steps involved in dental extraction and root canal treatment.	PSY-SET	MK	KH	DIS, L&PPT , L&GD	DOAP, VV- Viva, P- EXAM, M- CHT, QZ	F&S	3	-	NLHP31.2

Non Lecture Hour Theory

S.No	Name	Description of Theory Activity
NLHT31.1	Anatomy and physiology of teeth and gums.	The teacher will demonstrate through model or video/PPTs to teach the anatomy and physiology of teeth and gums.

Non Lecture Hour Practical

S.No	Name	Description of Practical Activity
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NLHP31.1	Examination of teeth and gums.	<p>The teacher will demonstrate the steps involved in the examination of Teeth and Gums. This will be followed by a group discussion with students.</p> <p>The total duration for this practical will be two NLHP hours.</p>
NLHP31.2	Basic introduction of tooth extraction and RCT.	<p>The teacher will demonstrate through videos/PPTs/live procedures about</p> <p>1. Introduction to Dental Extraction:</p> <p>a. Demonstration</p> <ul style="list-style-type: none"> • Show the tools used in the extraction and their purposes (elevator, forceps, scalpel). • Teach the local anesthetic technique for numbing the area (if applicable). • Teach the correct positioning of the patient and aseptic techniques. <p>b. Extraction Technique</p> <ul style="list-style-type: none"> • Teach the step-by-step procedure: <p>2. Introduction to Root Canal Treatment (RCT):</p> <p>a. Demonstration</p> <ul style="list-style-type: none"> • Demonstrate the anesthesia technique.

		<ul style="list-style-type: none"> • Teach how to open the access cavity to the pulp chamber. • Explain canal preparation (cleaning, shaping with files and reamers). • Introduce the irrigation and disinfection step. • Teach how to fill the canal with gutta-percha and seal the access cavity. <p>b. RCT Step-by-Step</p> <ul style="list-style-type: none"> • Demonstrate the detailed process: <p>The total duration for this practical will be two NLHP hours.</p>
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Topic 32 آلات اذن الف وطلق **Ālāt Udhun, Anf, Ḥalaq wa Asnān (E.N.T. Instruments)** (LH : 0, NLHT: 0, NLHP: 5 hours)

A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3
CO4, CO6	Compile a record book of at least 10 E.N.T. instruments.	PSY-GUD	MK	D	DIS, D	P-ID, COM, Log book, P-EXAM, RK	F&S	3	-	NLHP32.1

Non Lecture Hour Theory

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

S.No	Name	Description of Practical Activity
NLHP32.1	Record book of E.N.T. instruments	The teacher will guide students about

		<p>1. Introduction to the Record Book</p> <ul style="list-style-type: none">• Explain the importance of a Record Book in documenting E.N.T. instruments and their uses. <p>2. Understanding the Structure of the Record Book</p> <ul style="list-style-type: none">• Familiarize students with the layout and sections of the record book. <p>3. Filling in the Record Book</p> <ul style="list-style-type: none">• Guide students through completing an entry in the record book <p>The student will compile a logbook with at least 10 E.N.T. instruments.</p>
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Table 4 : NLHT Activity

(*Refer table 3 of similar activity number)

Sr No	CO No	Topic name
2.1	CO1	Physiology of vision and the course of optic nerve.
6.1	CO1,CO2,CO3,CO5	Anatomy of eyelids and their common pathologies.
7.1	CO1,CO2,CO3	Examination of lacrimal apparatus for dry eye.
8.1	CO2,CO3,CO4	Clinical examination of orbital cellulitis.
11.1	CO3	Surgical treatment of chronic suppurative otitis media.
12.1	CO2,CO3	Unani concept of <i>Behrāpan</i> (deafness).
12.2	CO2	Assessment of hearing.
13.1	CO2,CO3	Impacted ear wax.
13.2	CO2,CO3	Foreign body in the ear.
14.1	CO2,CO3,CO5	Conjunctivitis (Ramad) and its significance in Unani.
16.1	CO1,CO2,CO3,CO5	Non-infectious corneal disorders.
17.1	CO2,CO3,CO5	Uveal tract and its disorders.
19.1	CO1,CO6	Demonstration of anatomical structures of the nose and paranasal sinuses.
20.1	CO2,CO3,CO5	Mechanism of olfaction.
22.1	CO3,CO5,CO6	Initial management in epistaxis.
22.2	CO3,CO5,CO6	Basic knowledge of nasal vestibulitis (nasal boils and ulcers).
22.3	CO2,CO3,CO5,CO6	Benign and malignant tumors of the nose.
23.1	CO1,CO2,CO3	Regimenal and diet therapy in pharyngitis
24.1	CO2,CO3	Regimenal and diet therapy in hoarseness of voice.
26.1	CO2,CO6	Unani perspective on glaucoma and its treatment.
27.1	CO2,CO5	Unani perspectives on eye lens diseases.
28.1	CO2,CO3	Unani drugs used in the treatment of eye diseases.
29.1	CO2,CO3	Regimenal and diet therapy in stomatitis and mouth ulcers.
30.1	CO1	Anatomy & physiology of tongue.
31.1	CO1	Anatomy and physiology of teeth and gums.

Table 5 : List of Practicals

(*Refer table 3 of similar activity number)

Sr No	CO No	Practical Activity details
1.1	CO1	Demonstration of the eyeball on the model.
3.1	CO1,CO2,CO3	Clinical tests for strabismus.
4.1	CO2,CO3,CO6	Examination of visual acuity and refractive errors with modern diagnostic tools and Unani perspectives on visual disorders.
5.1	CO2,CO3,CO6	Assessment of blindness.
6.1	CO2,CO3,CO6	Clinical examination of eyelids.
7.1	CO1,CO2,CO3	Assessment of watering of the eye.
9.1	CO1	Demonstration of ear anatomy on the model.
12.1	CO2	Assessment of hearing in the newborn.
12.2	CO2	Assessment of hearing.
12.3	CO2	Assessment of vestibular functions
12.4	CO2	Examination of ear
12.5	CO2	Examination of ear
12.6	CO2	Otoscopic examination of the ear.
13.1	CO2,CO3	Removal of impacted ear wax.
13.2	CO2,CO3	Removal of foreign body of ear
13.3	CO3,CO6	Unani local applicants for eye disorders.
13.4	CO2,CO3	Demonstration of instruments used in E.N.T.
14.1	CO2,CO4	Examination of conjunctiva.
15.1	CO2,CO3	Examination of sclera.
16.1	CO2,CO3	Corneal opacity.
17.1	CO1	Anatomy and physiology of uveal tract.
18.1	CO1,CO2,CO3,CO6	Diabetic and Hypertensive retinopathy.
22.1	CO2,CO3,CO5,CO6	Removal of foreign body from the nose.
22.2	CO2,CO3,CO5,CO6	Nasal polyp.
22.3	CO2,CO6	Examination of the nose.
22.4	CO2,CO6	Nasal endoscopy.
22.5	CO2,CO6	Anterior and posterior rhinoscopy.

23.1	CO2	Examination of throat
23.2	CO2	Examination of the throat with a tongue depressor.
24.1	CO2,CO6	Basic Introduction of laryngeal endoscopy.
25.1	CO2,CO4,CO5	Implementation of asbab-e-sitta zaruriya in ophthalmology.
25.2	CO3,CO5	Unani drugs used in the treatment of E.N.T. diseases.
25.3	CO2,CO4,CO6	Orientation of case-taking in Ophthalmology, E.N.T. and Dentistry.
26.1	CO2,CO6	Diagnostic methods for glaucoma.
27.1	CO6	Slit lamp examination (examination of the anterior structure of the eye).
28.1	CO2,CO3	Removal of the foreign body from the eye.
28.2	CO2,CO3	Ophthalmic instruments.
28.3	CO2	Record book of ophthalmic instruments.
29.1	CO2	Examination of the oral cavity.
31.1	CO1,CO2	Examination of teeth and gums.
31.2	CO2,CO4	Basic introduction of tooth extraction and RCT.
32.1	CO4,CO6	Record book of E.N.T. instruments

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-AUH	1	100	100	20	10 (Set-TA)*	20	150	250

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	E	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
PA1	Topic 1-4
PA 2	Topic 5-8
PA 3	Topic 9-13
TT 1	Topic No 1 to 13
PA 4	Topic 14-17
PA 5	Topic 18 – 21
PA 6	Topic 22-25
TT 2	Topic No 14 to 25
PA 7	Topic No 26, 27
PA8	Topic No 28,29,30
PA9	Topic No 31, 32

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

6 F : Distribution of theory examination

Paper 1 (Amraze Ain, Uzn, Anf, Halaq wa Asnan (Ophthalmology, E.N.T. and Dentistry))						
List of Topics	Term	Marks	MCQ	SAQ	LAQ	
1 تشریح العين Tashrīḥ al-Ayn (Anatomy of Eye)	1	30	Yes	Yes	Yes	
2 منافع العين Manafi' al-Ayn (Physiology of Eye)	1		Yes	Yes	No	
3 حول Hawal (Strabismus)	1		Yes	Yes	Yes	
4 امراض بصارت Amrāḍ-i Basarat (Visual Disorders)	1		Yes	Yes	Yes	
5 بطلان بصر Buṭlān-i-Başar (Blindness)	1		Yes	Yes	Yes	
6 امراض اجفان Amrāḍ-i-'Ajfān (Diseases of the Eyelids)	1		Yes	Yes	Yes	
7 نظام دمی کے امراض Amrāḍ 'Nizām-i Dam'i (Diseases of Lacrimal System)	1		Yes	Yes	Yes	
8 امراض مجرین Amrāḍ Mahjiryin (Orbital Diseases)	1		Yes	Yes	No	
9 تشریح الاذن Tashrīḥ al-Udhun (Anatomy of Ear)	1		Yes	Yes	Yes	
10 منافع الاذن Manāfi al-Udhun (Physiology of Ear)	1		Yes	Yes	No	
11 التهابی امراض اذن Itihābī Amrāḍ Udhun (Inflammatory Disorders of Ear)	1		Yes	Yes	Yes	
12 علامات امراض اذن Alāmat-i Amrāḍ Udhun (Symptoms of Ear Disorders)	1		Yes	Yes	Yes	
13 متفرق امراض عین واذن Mutafarrīq Amrāḍ Ayn wa Udhun (Miscellaneous Eye and Ear Disorders)	1		Yes	Yes	Yes	

14	أمراض ملتحمه Amrāḍ Multaḥīma (Diseases of Conjunctiva)	2	40	Yes	Yes	Yes
15	أمراض الطبقة الصلبة Amrāḍ al-Ṭabaqa al-Ṣulbiyya (Diseases of Sclera)	2		Yes	Yes	No
16	أمراض الطبقة القرنية Amrāḍ al-Ṭabaqa al-Qarniyya (Diseases of Cornea)	2		Yes	Yes	Yes
17	أمراض عنبيه Amrāḍ-i 'Inabiyya (Diseases of Uveal tract)	2		Yes	Yes	Yes
18	أمراض شبكية Amrāḍ-i Shabkiyya (Diseases of Retina)	2		Yes	Yes	Yes
19	تشرح ومناخ الأنف وتجاويف الأنف Tashrīḥ wa Manāfi' al-Anf wa Tajāwīf al-Anf (Anatomy and Physiology of the Nose and Paranasal Sinus)	2		Yes	Yes	Yes
20	ميكانيات شم وفشل شم Mīkanīyāt Shamm wa Fasād-i Shamm (Mechanism of Olfaction and Disorder of Olfaction)	2		Yes	Yes	No
21	التهابي أمراض الأنف وتجاويف الأنف Illtīhābī Amrāḍ Anf wa Tajāwīf Anf (Inflammatory Disorders of Nose and PNS)	2		Yes	Yes	Yes
22	ديگر أمراض الأنف Dīgar Amrāḍ Anf (Other Nose Disorders)	2		Yes	Yes	Yes
23	التهابي أمراض الحلق Illtīhābī Amrāḍ Ḥalaq (Inflammatory Disorders of Throat)	2		Yes	Yes	Yes
24	علامات أمراض الحلق Alāmat-i Amrāḍ Ḥalaq (Symptoms of Throat Disorders)	2		Yes	Yes	Yes
25	متفرق أمراض عين، أنف، وحنك Mutafarrīq Amrāḍ Ayn, Udhun, Anf, wa Ḥalaq (Miscellaneous Eye and E.N.T. Disorders)	2	Yes	Yes	Yes	
26	عين کے حجرہ مقدم کے أمراض Ayn ke hujra muqaddam ke Amrāḍ (Diseases of Anterior Chamber of Eye)	3	30	Yes	Yes	Yes
27	أمراض عدسة Amrāḍ-i 'Adasa (Diseases of Lens)	3		Yes	Yes	Yes
28	متفرق أمراض عين Mutafarrīq Amrāḍ Ayn (Miscellaneous Disorder of Eye)	3		Yes	Yes	Yes
29	أمراض الفم Amrāḍ al-Fam (Disorders of Oral Cavity)	3		Yes	Yes	Yes
30	أمراض لسان Amrāḍ Lisān (Disorders of Tongue)	3		Yes	Yes	No
31	اسنان Asnān (Dentistry)	3		Yes	Yes	No
32	آلات اذن، أنف، وحنك Ālāt Udhun, Anf, Ḥalaq wa Asnān (E.N.T. Instruments)	3		Yes	Yes	No
Total Marks			100			
Grand Total			100			

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 (Amraze Ain, Uzn, Anf, Halaq wa Asnan (Ophthalmology, E.N.T. and Dentistry))		
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. منافع العين Manafi' al-Ayn (Physiology of Eye) / تشريح العين Tashrīḥ al-Ayn (Anatomy of Eye) 2. بطلان بصر Buṭlān-i-Baṣar (Blindness) / امراض بصارت Amrāḍ-i-Basarat (Visual Disorders) 3. امراض اجفان Amrāḍ-i-'Ajfān (Diseases of the Eyelids) / حول Hawal (Strabismus) 4. امراض مجهرين Amrāḍ Mahjiryin (Orbital Diseases) / نظام دمعي کے امراض Amrāḍ 'Nizām-i-Dam'i (Diseases of Lacrimal System) 5. منافع الاذن Manāfi al-Udhun (Physiology of Ear) / تشريح الاذن Tashrīḥ al-Udhun (Anatomy of Ear) 6. التهابی امراض اذن Itīhābī Amrāḍ Udhun (Inflammatory Disorders of Ear) 7. علامات امراض اذن Alāmat-i-Amrāḍ Udhun (Symptoms of Ear Disorders) 8. متفرق امراض عين واذن Mutafarrīq Amrāḍ Ayn wa Udhun (Miscellaneous Eye and Ear Disorders) 9. امراض ملتحمه Amrāḍ ملتحمه Amrāḍ al-Ṭabaqa al-Ṣulbiyya (Diseases of Sclera) / امراض الطبقة الصليبيه Multahīma (Diseases of Conjunctiva) 10. امراض القرنيه Amrāḍ القرنيه Amrāḍ al-Ṭabaqa al-Qarniyya (Diseases of Cornea) 11. امراض شبكيه Amrāḍ-i-Shabkiyya (Diseases of Retina) 12. ميكانيات شم وفسلثم Mīkanīyāt Shamm wa Fasād-i-Shamm (Mechanism of Olfaction and Disorder of Olfaction) / تشريح ومنافع الانف وتجاويف الانف Tashrīḥ wa Manāfi' al-Anf wa Tajāwīf al-Anf (Anatomy and Physiology of the Nose and Paranasal Sinus) 13. التهابی امراض انف وتجاويف انف Itīhābī Amrāḍ Anf wa Tajāwīf Anf (Inflammatory Disorders of Nose and PNS) 14. ديگر امراض انف Dīgar Amrāḍ Anf (Other Nose Disorders) 15. التهابی امراض حلق Alāmat-i-Amrāḍ Ḥalaq (Symptoms of Throat Disorders) / التهابی امراض حلق Itīhābī Amrāḍ Ḥalaq (Inflammatory Disorders of Throat) 16. متفرق امراض عين، اذن، انف و حلق Mutafarrīq Amrāḍ Ayn, Udhun, Anf, wa Ḥalaq (Miscellaneous Eye and E.N.T. Disorders) 17. امراض عدسه Amrāḍ-i-'Adasa (Diseases of Lens) / حجره مقدم کے امراض Ayn ke hujra muqaddam ke Amrāḍ (Diseases of Anterior Chamber of Eye)

		<p>18. متفرق امراض عین Mutafarrīq Amrāḍ Ayn (Miscellaneous Disorder of Eye)</p> <p>19. امراض لسان Amrāḍ Lisān (Disorders of Tongue) / امراض الفم Amrāḍ al-Fam (Disorders of Oral Cavity)</p> <p>20. اسنان Asnān (Dentistry)</p>
Q2	<p>Short answer Questions</p> <p>Eight Questions</p> <p>5 Marks Each</p> <p>All compulsory</p>	<p>1. ابطلان بصر Buṭlān-i-Baṣar (Blindness) / امراض بصارت Amrāḍ-i Basarat (Visual Disorders) / منافع العين Manafi' al-Ayn (Physiology of Eye) / تشريح العين Tashrīḥ al-Ayn (Anatomy of Eye)</p> <p>2. امراض مجیرین Amrāḍ Mahjiryin (Orbital Diseases) / نظام ذمی کے امراض Amrāḍ 'Nizām-i Dam'i (Diseases of Lacrimal System) / امراض اجفان Amrāḍ-i-'Ajfān (Diseases of the Eyelids) / حول Hawal (Strabismus)</p> <p>3. متفرق امراض عین و اذن Mutafarrīq Amrāḍ Ayn wa Udhun (Miscellaneous Eye and Ear Disorders) / علامات امراض اذن Alāmat-i Amrāḍ Udhun (Symptoms of Ear Disorders) / التهابی اذن Itihābī Amrāḍ Udhun (Inflammatory Disorders of Ear) / منافع الاذن Manāfi al-Udhun (Physiology of Ear) / تشريح الاذن Tashrīḥ al-Udhun (Anatomy of Ear)</p> <p>4. امراض القرنية Amrāḍ al-Ṭabaqa al-Qarniyya (Diseases of Cornea) / امراض عينية Amrāḍ-i 'Inabiyya (Diseases of Uveal tract) / امراض الطبقة الصليبية Amrāḍ al-Ṭabaqa al-Ṣulbiyya (Diseases of Sclera) / امراض ملتحمه Amrāḍ Multaḥima (Diseases of Conjunctiva)</p> <p>5. التهابی امراض انف و تجاویف انف Itihābī Amrāḍ Anf wa Tajāwīf Anf (Inflammatory Disorders of Nose and PNS) / میکانیات شم و فساد شم Mikanīyāt Shamm wa Fasād-i Shamm (Mechanism of Olfaction and Disorder of Olfaction) / تشريح و منافع الانف و تجاویف الانف Tashrīḥ wa Manāfi' al-Anf wa Tajāwīf al-Anf (Anatomy and Physiology of the Nose and Paranasal Sinus) / امراض شبکیه Amrāḍ-i Shabkiyya (Diseases of Retina)</p> <p>6. متفرق امراض عین، اذن، انف و حلق Mutafarrīq Amrāḍ Ayn, Udhun, Anf, wa Ḥalaq (Miscellaneous Eye and E.N.T. Disorders) / علامات امراض حلق Alāmat-i Amrāḍ Ḥalaq (Symptoms of Throat Disorders) / التهابی امراض حلق Itihābī Amrāḍ Ḥalaq (Inflammatory Disorders of Throat) / دیگر امراض انف Dīgar Amrāḍ Anf (Other Nose Disorders)</p> <p>7. متفرق امراض عین Mutafarrīq Amrāḍ Ayn (Miscellaneous Disorder of Eye) / امراض عدسه Amrāḍ-i 'Adasa (Diseases of Lens) / عین کے حجرہ مقدم کے امراض Ayn ke hujra muqaddam ke Amrāḍ (Diseases of Anterior Chamber of Eye)</p> <p>8. اسنان Asnān (Dentistry) / امراض لسان Amrāḍ Lisān (Disorders of Tongue) / امراض الفم Amrāḍ al-Fam (Disorders of Oral Cavity)</p>

<p>Q3</p>	<p>Long answer Questions</p> <p>Four Questions</p> <p>10 marks each</p> <p>All compulsory</p>	<ol style="list-style-type: none"> 1. Amrāḍ-i Nizām-i Dam'i (Diseases of Lacrimal System) / Amrāḍ-i Aḡfān (Diseases of the Eyelids) / Amrāḍ-i Basarat (Visual Disorders) / Amrāḍ-i Basarat (Visual Disorders) / Buṭlān-i Baṣar (Blindness) / Hawal (Strabismus) / Tashrīḥ al-Ayn (Anatomy of Eye) 2. Mutafarrīq Amrāḍ Ayn wa Udhun (Miscellaneous Eye and Ear Disorders) / Amrāḍ al-Ṭabaqa al-Qarniyya (Diseases of Cornea) / Amrāḍ al-Multaḥima (Diseases of Conjunctiva) / Alāmat-i Amrāḍ Udhun (Symptoms of Ear Disorders) / Itihābī Amrāḍ Udhun (Inflammatory Disorders of Ear) / Tashrīḥ al-Udhun (Anatomy of Ear) 3. Dīgar Amrāḍ Anf (Other Nose Disorders) / Itihābī Amrāḍ Anf wa Tajāwīf Anf (Inflammatory Disorders of Nose and PNS) / Tashrīḥ wa Manāfi' al-Anf wa Tajāwīf al-Anf (Anatomy and Physiology of the Nose and Paranasal Sinus) / Amrāḍ-i Shabkiyya (Diseases of Retina) / Amrāḍ-i 'Inabiyya (Diseases of Uveal tract) 4. Amrāḍ al-Fam (Disorders of Oral Cavity) / Mutafarrīq Amrāḍ Ayn wa Udhun, Anf, wa Ḥalaq (Miscellaneous Eye and E.N.T. Disorders) / Alāmat-i Amrāḍ Ḥalaq (Symptoms of Throat Disorders) / Ayn ke hujra muqaddam ke Amrāḍ (Diseases of Anterior Chamber of Eye)
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6 H : Distribution of Practical Exam

S.No	Head	Marks
1	One Long Case Presentation (Bedside)	30
2	Demonstration of one specific examination related to Ophthalmology or E.N.T.	20
3	Record book of atleast 10 instruments and 10 Case-sheets each in Ophthalmology and E.N.T.	20
4	Assignment/Project Work	10
5	Spotting of atleast 5 Ophthalmology & 5 E.N.T. instruments/equipment	20
6	Viva Voce	20
7	Internal	20
8	Electives	10
Total		150

References Books/ Resources

S.No	Resources
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2	Paul WF & et al. Cummings Otolaryngology Head & Neck Surgery. 5 th ed. Philadelphia: Mosby ELSEVIER; 2010.
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5	Arzani MA. Tibbe Akbar. New Delhi: Idara Kitab-us-Shifa; 2010.
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8	Majusi A. Kamil-ul- Sanat. Delhi: Idara Kitab-us-Shifa; 2010.
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10	Masihi A. Kitab-al Umda fial Jarahat. Vol. II. New Delhi: Central Council for Research in Unani Medicine.
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13	Kabiruddin A. Sharah-e-Asbab. Vol II. Delhi: Idara Kitab-us-Shifa; 2009.
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19	Tabri AM. Al Moalajat Al Buqratia. (Urdu translation by CCRUM). Vol. 1. New Delhi: Ministry of Health and Family Welfare; 1995.
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22	Hazrika P, Nayak DR, Balkrishnan R. Textbook of Ear, Nose, Throat and Head & Neck Surgery, Clinical and Practical. 3rd ed. New Delhi: CBS Publication and Distributors Private Ltd.
23	Chatterjee BM. Hand book of Ophthalmology. 6 th ed. New Delhi: CBS Publisher and Distributors; 2018.
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25	Azmi SKA. Amraz e Ain. New Delhi: Fikro Fan Publisher and Book Seller; 1992.
26	Rushd I. Kitabul Kulliyat. Lahore: Maktabe Daniyal; 2017.
27	Jeelani G. Makhzanul Jawahir. New Delhi: Ejaz publishing House; 1998.
28	Al Kahhal ABA. Tazkaratul Kahalain (Urdu translation by CCRUM). Vol. 1. New Delhi: Ministry of Health and Family Welfare; 1995.
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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-UAM F	V-UAM F
CC	Cognitive/Comprehension	L&PP T	Lecture with PowerPoint presentation	K H	Know show	T-OBT	Theory open book test	V-KUT	V-KUT
CAP	Cognitive/Application	L&GD	Lecture & Group Discussion	S H	Show show	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 - OR G	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		
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