

**COURSE CURRICULUM FOR SECOND PROFESSIONAL B.U.M.S**

**(PRESCRIBED BY NCISM)**

**SAREERIYAT WA USOOLE ILAJ  
(BED SIDE CLINIC AND PRINCIPLES OF MANAGEMENT)**

**(SUBJECT CODE: UNIUG-SUI)**

**(Applicable from 2021-22 batch, from the academic year 2023-24 onwards for 5 years or until further notification by NCISM, whichever is earlier)**



**BOARD OF UNANI, SIDDHA AND SOWA-RIGPA  
NATIONAL COMMISSION FOR INDIAN SYSTEM OF MEDICINE  
NEW DELHI-110058**



**NCISM\_II BUMS\_U**

## **PREFACE**

This subject Sareeriyat wa Usoole Ilaj basically consists of two parts viz. Sareeriyat (Bedside clinics) and Usoole Ilaj (Principles of Management). Sareeriyat deals with taking history, clinically examining a patient, and eliciting physical signs to reach a provisional diagnosis. The purpose of this subject is not only to improve the clinical skills of the students but also their ability to interact with patients patiently and empathetically. It allows the students to prepare extensively in advance to study the clinical subjects in coming years, and to deal with patients in OPD and IPD postings to learn further. The subject Sareeriyat develops and maintains professional competence in the students. The second part of this subject is Usoole Ilaj, which deals with Principles of Management. As we know the success and failure of any therapeutic approach depends on the principles adopted for it. In determining the treatment, it is important to take into consideration all the aspects related to the disease, drug, patient and many more things. Therefore, it becomes inevitable to understand various aspects of principles of management developed over years by the eminent physicians of Unani System of Medicine in the light of their experiments and clinical observations. Keeping in mind the importance of this subject, the competence-based curriculum and syllabus is designed by NCISM after extensive workshop by competent and skilled teachers of the subject.

**NCISM**  
**II Professional Kamile Tib o Jarahat**  
**(Bachelor of Unani Medicine and Surgery – B.U.M.S)**  
**Subject Code: UNIUG-SUI**

**SAREERiyAT WA USOOLE ILAJ**  
**(Bed Side Clinic and Principles of Management)**

**Summary**

<b>Total number of Teaching hours: 280</b>		
<b>Lecture hours (LH)-Theory</b>		<b>100 (LH)</b>
Paper I	100 Hours	
<b>Non-Lecture hours (NLH)-Theory</b>		<b>180 (NLH)</b>
Paper I	54 Hours	
<b>Non-Lecture hours (NLH)-Practical</b>	126 Hours	

<b>Examination (Papers &amp; Mark Distribution)</b>					
<b>Item</b>	<b>Theory Component Marks</b>	<b>Practical Component Marks</b>			
		<b>Practical</b>	<b>Viva</b>	<b>Elective</b>	<b>IA</b>
<b>Paper I</b>	100	100	20	10	20
<b>Sub-Total</b>	100	150			
<b>Total marks</b>	<b>250</b>				

Important Note:-The User Manual II 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 II 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 [cur.imp@ncismindia.org](mailto:cur.imp@ncismindia.org)

Contents	
PREFACE .....	1
Summary .....	2
Course Code and Name of Course .....	4
Table 1- Course learning outcomes and mapped PO .....	4
Table 2: Contents of Course .....	5
Table 3: Learning objectives (Theory) of Course .....	18
List of Practicals (Term and Hours).....	48
Table 4: Learning objectives (Practical) .....	49
Table 4a: List of Practical .....	61
Activity .....	64
Table 5- Teaching learning method .....	67
6 A-Number of Papers and Marks Distribution.....	68
6 B - Scheme of Assessment (formative and Summative) .....	68
6 C - Calculation Method for Internal Assessment Marks (20 Marks).....	68
6 D - Evaluation Methods for Periodical Assessment .....	68
6 E Question Paper Pattern .....	69
F Distribution of theory examination.....	69
6 G Blue print of paper I.....	71
6 H Distribution of Practical Exam.....	73
References Books/ Resources .....	74
Abbreviations .....	75
Domains .....	75
Teaching Learning Methods .....	76
Assessments .....	77

### Course Code and Name of Course

<b>Course code</b>	<b>Name of Course</b>
UNIUG-SUI	Sareeriyat wa Usoole Ilaj

**Table 1- Course learning outcomes and mapped PO**

SR1 CO No	A1 Course learning Outcomes (CO) UNIUG-SUI At the end of the course UNIUG-SUI, the students should be able to-	B1 Course learning Outcomes mapped with program learning outcomes.
CO1	Demonstrate communicative skills in eliciting, documenting and presenting the medical history of the patient.	PO2,PO5
CO2	Perform and demonstrate the General and Systemic examination of the patient.	PO2,PO8
CO3	Diagnose the disease on the basis of classical Unani diagnostic tools.	PO1,PO2,PO4
CO4	Justify the diagnosis with clinical and investigational findings.	PO2,PO8
CO5	Formulate management plan for various diseases on the basis of the Principles of Unani Medicine.	PO2,PO4,PO8
CO6	Display professional and behavioral ethics.	PO3,PO5,PO7

**Table 2: Contents of Course**

Paper 1					
Sr.No	A2 List of Topics	B2 Term	C2 Marks	D2 Lecture hours	E2 Non- Lecture hours (Theory)
1	<p>عمومی تعارف Umūmī Ta'ruf (General introduction)</p> <ul style="list-style-type: none"> <li>• اہمیت اور غرض و غایت Ahmiyat aur Gharz-o-ghayat (Importance, aim, and objectives)</li> <li>• تشخیص کے یونانی ذرائع Tashkhīṣ ke Unani Zarāye (Unani Diagnostic tools)</li> <li>• علامات صحت و مرض 'Alāmāt-e-Ṣiḥḥat wa Maraz (Indicators of Health and Disease)</li> <li>• علامات اصلیه و شریکیہ 'Alāmāt-e-Asliya wa Shirkiya (Original Indicators and Contributory Indicators)</li> <li>• باطنی امراض کی علامات اور انکا استدلال Batni Amrāz ki Alāmāt aur unka Istidlāl (Indicators of Internal diseases and thier Interpretation)</li> <li>• علامات سوء مزاج سادہ و مادی اور انکا استدلال 'Alāmāt-e-sue Mizāj Sāda wa Māddi aur unka Istidlāl (Indicators of Sue Mizāj Sāda wa Māddi and thier Interpretation)</li> <li>• علامات امتلاء 'Alāmāt-e-imitila (Indicators of Plethora/ Congestion)</li> </ul>	1	8	4	0

	<ul style="list-style-type: none"> <li>• علامات اورام</li> </ul> <p>‘Alāmāt-e-Aurām (Indicators of Swellings)</p> <ul style="list-style-type: none"> <li>• علامات تفرق و اتصال</li> </ul> <p>‘Alāmāt-e-tafarruq-e-itteṣal (Indicators of Loss of Continuity)</p>				
2	<p>روداد مرض</p> <p><b>Rūdād-e-Marīz (History Taking)</b></p> <ul style="list-style-type: none"> <li>• عمومی اصول و ضوابط</li> </ul> <p>Umūmī Uṣūl-o-zawābit (General aspects of History Taking)</p> <ul style="list-style-type: none"> <li>• استفسارات عمومی</li> </ul> <p>Istefsārāt-e-Umūmī (General Interrogations and Patient Profile)</p> <ul style="list-style-type: none"> <li>• موجودہ اہم شکایات</li> </ul> <p>Maujūda Aham Shikayāt (Chief Complaint)</p> <ul style="list-style-type: none"> <li>• روداد مرض حالیہ</li> </ul> <p>Rūdād-e-Maraze Hāliya (History of Present Illness)</p> <ul style="list-style-type: none"> <li>• روداد سابقہ</li> </ul> <p>Rūdād-e-sābiqa (History of Past Illness)</p> <ul style="list-style-type: none"> <li>• روداد علاج و جراحت</li> </ul> <p>Rūdād-e-Ilāj wa Jarāhat (Medical and Surgical Treatment History)</p> <ul style="list-style-type: none"> <li>• روداد خاندانی</li> </ul> <p>Rūdād-e-Khāndāni (Family History)</p> <ul style="list-style-type: none"> <li>• ذاتی اور سماجی معاشی روداد</li> </ul> <p>Zāti aur Samāji Maāshi Rūdād (Personal and Socio-economic History)</p> <ul style="list-style-type: none"> <li>• روداد قبالت و نسوان</li> </ul>	1		4	2

	Rūdād-e-Qabālat wa Niswān (Obstetric & Gynecological History)				
3	<p>امتحان مریض عمومی  <b>Imteḥān-e-Marīz Umūmī (General Examination of the Patient)</b></p> <ul style="list-style-type: none"> <li>• عمومی اصول و ضوابط</li> </ul> <p>Umūmī Uṣūl-o-Zawābit (General considerations)</p> <ul style="list-style-type: none"> <li>• عمومی ظواہر</li> </ul> <p>Umūmī Zawāhir (General appearance)</p> <ul style="list-style-type: none"> <li>• وجہی ظواہر</li> </ul> <p>Wajhi Zawāhir (Facial appearance/ Facies)</p> <ul style="list-style-type: none"> <li>• جسمانی بناوٹ و تغذیہ</li> </ul> <p>Jismāni Banāwat aur Taghziā (Built &amp; Nutrition)</p> <ul style="list-style-type: none"> <li>• ظاہری ہیئت</li> </ul> <p>Zāhiri Haiyat (Gait/ Stance/ Posture/ Decubitus)</p> <ul style="list-style-type: none"> <li>• امراض کی ظاہری علامات: پیلاہن، یرقان، نیلگونی، تہج و غیرہ</li> </ul> <p>Amrāz ki Zāhiri Alamāt-Pīlapan, Yārqān/ Neelguni/ Tahabbuj (External Manifestations of Diseases- Pallor, Icterus, Cyanosis, Oedema etc.)</p> <ul style="list-style-type: none"> <li>• ضغط الوریڈ الوداجی</li> </ul> <p>Zight-ul-Varīdul Vidāji (Jugular venous pressure)</p> <ul style="list-style-type: none"> <li>• امتحان ناخون</li> </ul> <p>Imteḥān-e-Nākhūn (Examination of Nails)</p> <ul style="list-style-type: none"> <li>• امتحان عدد لفاوی</li> </ul> <p>Imteḥān-e-ghudude Lymfāwi (Examination of Lymph nodes)</p> <ul style="list-style-type: none"> <li>• امتحان جلد</li> </ul> <p>Imteḥān-e-Jild (Examination of Skin)</p> <ul style="list-style-type: none"> <li>• امتحان چشم، اذن، انف و حلق</li> </ul>	1	22	14	10



	<p>Imteḥān-e-Chashm, Uzn, Anf wa Halq (Examination of Eyes, Ear, Nose and Throat)</p> <ul style="list-style-type: none"> <li>• حیوی نشانیوں: نبض، ضغط الدم، درجہ حرارت اور رفتار تنفس</li> </ul> <p>Ḥaiwi Nishāniyān- Nabz, Zight-ud-dam, Darja-e-ḥarārat, Raftār-e-tanaffus (Assessment of Vitals- Pulse, Blood Pressure, Temperature and Respiratory Rate)</p>				
4	<p>استفسار و امتحان نظام ہضم</p> <p><b>Istefsār wa Imteḥān-e-Nizām-i-Hazm (History and Examination of Digestive System)</b></p> <ul style="list-style-type: none"> <li>• امراض نظام ہضم کے تشخیصی دلائل</li> </ul> <p>Amrāz-i-Nizām-i-Hazm ke Tashkhīši Dalā'il (Diagnostic indications of Diseases of Digestive system)</p> <ul style="list-style-type: none"> <li>• علامات سے استدلال</li> </ul> <p>‘Alāmāt se istidlāl (Evaluation Through Clinical Features)</p> <ul style="list-style-type: none"> <li>• وجع سے استدلال</li> </ul> <p>Waja se istidlāl (Evaluation through Pain)</p> <ul style="list-style-type: none"> <li>• امتحان بالنظر</li> </ul> <p>Imteḥān Bin-Nazar (Inspection)</p> <ul style="list-style-type: none"> <li>• امتحان باللمس</li> </ul> <p>Imteḥān Bil-Lams (Palpation)</p> <ul style="list-style-type: none"> <li>• امتحان بالقرع</li> </ul> <p>Imteḥān Bil-Qara' (Percussion)</p> <ul style="list-style-type: none"> <li>• امتحان بالسمع</li> </ul> <p>Imteḥān Bis-Sama' (Auscultation)</p> <ul style="list-style-type: none"> <li>• امراض نظام ہضم کی اہم تفتیشات</li> </ul> <p>Amrāze Nizām-e-Hazm ki aham Taftīshāt (Important Investigations of the digestive system)</p>	1		10	6

5	<p>استفسار و امتحان نظام تنفس Istefsār wa Imteḥān-e-Nizām-e-Tanaffus (History and Examination of Respiratory System)</p> <p>• امراض نظام تنفس کے تشخیصی دلائل Amrāz-e-Nizām-e-tanaffus ke Tashkhīsi Dalā'il (Diagnostic indications of Amrāz-e-Nizām-e-tanaffus)</p> <p>• علامات سے استدلال 'Alāmāt se istidlāl (Evaluation through Clinical Features)</p> <p>• تنفس و اقسام تنفس سے استدلال Tanaffus wa aqsāme tanaffus se istidlāl (Evaluation through Respiration and it's different types)</p> <p>• امتحان بالنظر Imteḥān Bin-Nazar (Inspection)</p> <p>• امتحان باللس Imteḥān Bil-Lams (Palpation)</p> <p>• امتحان بالقرع Imteḥān Bil-Qara' (Percussion)</p> <p>• امتحان بالسمع Imteḥān Bis-Sama' (Auscultation)</p> <p>• امراض نظام تنفس کی اہم تفتیشات Amrāze Nizām-e-Tanaffus ki Aham Taftīshāt (Important Investigations of the Respiratory system)</p>	2	22	10	6
6	<p>استفسار و امتحان نظام قلب و عروق Istefsār wa Imteḥān-e-Nizām-e-Qalb wa Urūq (History and Examination of Cardiovascular System)</p>	2		10	6

	<ul style="list-style-type: none"> <li>• امراض نظام قلب و عروق کے تشخیصی دلائل</li> </ul> <p>Amrāz-e-Nizām-e-Qalb wa Urūq ke Tashkhīṣi Dalā'il (Diagnostic indications of Amrāz-e-Nizām-e-Qalb wa Urūq)</p> <ul style="list-style-type: none"> <li>• علامات سے استدلال</li> </ul> <p>'Alāmāt se istidlāl (Evaluation through Clinical Features)</p> <ul style="list-style-type: none"> <li>• نبض اور اسکی اقسام سے استدلال</li> </ul> <p>Nabz aur uski aqsām se istidlāl (Evaluation through pulse and its types)</p> <ul style="list-style-type: none"> <li>• امتحان بال نظر</li> </ul> <p>Imteḥān bin-Nazar (Inspection)</p> <ul style="list-style-type: none"> <li>• امتحان بال لمس</li> </ul> <p>Imteḥān bil-Lams (Palpation)</p> <ul style="list-style-type: none"> <li>• امتحان بال قرع</li> </ul> <p>Imteḥān Bil-Qara' (Percussion)</p> <ul style="list-style-type: none"> <li>• امتحان بال سمع</li> </ul> <p>Imteḥān Bis- Sama' (Auscultation)</p> <ul style="list-style-type: none"> <li>• امراض نظام قلب و عروق کی اہم تفتیشات</li> </ul> <p>Amrāze Nizām-e-Qalb wa Urūq ki aham Taftīshāt (Important Investigations of Diseases of Cardiovascular system)</p>				
7	<p>نبض</p> <p><b>Nabz (Pulse)</b></p> <ul style="list-style-type: none"> <li>• مبحث عام</li> </ul> <p>Mabḥas-e-'Āam (General considerations)</p> <ul style="list-style-type: none"> <li>• شرائط و طریقہ امتحان نبض</li> </ul> <p>Sharāit wa Tariqa-e-Imteḥān Nabz (Conditions and Methods of assessment of Pulse)</p>	2	18	8	3

	<ul style="list-style-type: none"> <li>• مقامات معائنہ نبض</li> </ul> <p>Muqamāt mu‘ainae Nabz (Sites of Assessment of Pulse)</p> <ul style="list-style-type: none"> <li>• اجناس/ادلہ نبض</li> </ul> <p>Ajnās/ Adallae Nabz (Indicators for the assessment of Pulse)</p> <ul style="list-style-type: none"> <li>• نبض مرکب کی اقسام</li> </ul> <p>Nabz Murakkab ki Aqsām (Types of Compound Pulses)</p> <ul style="list-style-type: none"> <li>• نبض بلحاظ جنس، مزاج، اعمار، بلدان، فصول وغیرہ</li> </ul> <p>Nabz ba Liḥāz Jins, Mizāj, A‘amār, Buldān, Fuṣūl waghaira (Pulse according to Gender, Temperament, Ages, Geography, and Seasons etc.)</p> <ul style="list-style-type: none"> <li>• نبض پر مختلف احوال کے اثرات</li> </ul> <p>Nabz par Mukhtalif Aḥwāl ke Asrāt (Effect of Various States on Pulse)</p> <ul style="list-style-type: none"> <li>• مختلف امراض کی نبض</li> </ul> <p>Mukhtalif Amrāz ki Nabz (Specific pulse of Various diseases)</p>				
8	<p>استفسار و امتحان نظام بول و تناسل</p> <p><b>Istefsār wa Imteḥān-e-Nizām-e-Baul wa Tanāsul (History and Examination of Genito-urinary system)</b></p> <ul style="list-style-type: none"> <li>• امراض نظام بول و تناسل کے تشخیصی دلائل</li> </ul> <p>Amrāz-e-Nizām-e-Baul wa Tanāsul ke Tashkhīsi Dalā’il (Diagnostic indications of Genito-urinary system)</p> <ul style="list-style-type: none"> <li>• علامات سے استدلال</li> </ul> <p>‘Alāmāt se istidlāl (Evaluation through Clinical Features)</p>	2	5	3	

	<ul style="list-style-type: none"> <li>• قارورہ سے استدلال</li> </ul> <p>Qārūra se istidlāl (Evaluation through Urine)</p> <ul style="list-style-type: none"> <li>• امتحان بالنظر</li> </ul> <p>Imteḥān bin-Nazar (Inspection)</p> <ul style="list-style-type: none"> <li>• امتحان باللس</li> </ul> <p>Imteḥān bil-Lams (Palpation)</p> <ul style="list-style-type: none"> <li>• امتحان بالقرع</li> </ul> <p>Imteḥān Bil-Qara' (Percussion)</p> <ul style="list-style-type: none"> <li>• امتحان بالسمع</li> </ul> <p>Imteḥān Bis-Sama' (Auscultation)</p> <ul style="list-style-type: none"> <li>• امراض نظام بول و تناسل کی اہم تفتیشات</li> </ul> <p>Amrāze Nizām-e-Baul wa Tanāsul ki aham Taftīshāt (Important Investigations of the Genito-urinary system)</p>				
9	<p>بول و براز</p> <p><b>Baul wa Barāz (Urine and Stool)</b></p> <ul style="list-style-type: none"> <li>• دلائل بول</li> </ul> <p>Dalāil-e-Baul (Indicators of Urine Examination)</p> <ul style="list-style-type: none"> <li>• بول الدم سے استدلال</li> </ul> <p>Baulud Dam se Istidlāl (Evaluation through Haematuria)</p> <ul style="list-style-type: none"> <li>• خواص بول بلحاظ جنس، مزاج و اعمار</li> </ul> <p>Khawās-e-Baul ba Liḥāz Jins, Mizāj wa Aamār (Qualities of Urine according to Gender, Temperament and Age)</p> <ul style="list-style-type: none"> <li>• خواص بول بلحاظ امراض</li> </ul> <p>Khawās-e-Baul ba Liḥāz Amrāz (Specific appearance of Urine in various diseases)</p> <ul style="list-style-type: none"> <li>• دلائل براز: مقدار، قوام و رنگ</li> </ul>	2	5	0	

	<p>Dalāil-e-Barāz- Miqdār, Qiwām wa Rang (Indicators of Stool examination—Quantity, Consistency and Colour)</p> <ul style="list-style-type: none"> <li>• خواص براز بلحاظ امراض</li> </ul> <p>Khawās-e-Barāz ba Liḥāz Amrāz (Specific appearance of Stool in various diseases)</p>				
10	<p>استفسار و امتحان نظام عصبی <b>Istefsār wa Imteḥān-e-Nizām-e-Aṣabi (History and Examination of Nervous System)</b></p> <ul style="list-style-type: none"> <li>• امراض نظام عصبی کے تشخیصی دلائل</li> </ul> <p>Amrāz-e-Nizām-e-Aṣabi ke Tashkhīsi Dalā'il (Diagnostic indicators of Nervous system)</p> <ul style="list-style-type: none"> <li>• علامات سے استدلال</li> </ul> <p>'Alāmāt se Istidlāl (Evaluation through Clinical Features)</p> <ul style="list-style-type: none"> <li>• افعال دماغ سے استدلال</li> </ul> <p>Af'āl-e-Dimāgh se Istidlāl (Evaluation through functions of Brain)</p> <ul style="list-style-type: none"> <li>• دماغ کے اعلیٰ افعال کا امتحان</li> </ul> <p>Dimāgh ke A'lā Af'āl ka Imteḥān (Examination of Higher functions)</p> <ul style="list-style-type: none"> <li>• بے ہوش مریض کا امتحان</li> </ul> <p>Behosh Marīz ka Imteḥān (Examination of Unconscious patient)</p> <ul style="list-style-type: none"> <li>• جمجمہ اور عمود الفقری کا امتحان</li> </ul> <p>Jumjuma aur Umūdul Faqari ka Imteḥān (Examination of cranium and spine)</p> <ul style="list-style-type: none"> <li>• افعال اعصاب جمجمی کا امتحان</li> </ul>	3	13	10	12

	<p>Af'āl A'sāb Jumjumi ka Imteḥān (Examination of functions of cranial nerves)</p> <ul style="list-style-type: none"> <li>• افعال حرکتیہ کا امتحان</li> </ul> <p>Af'āl Ḥirkiyya ka Imteḥān (Examination of motor functions)</p> <ul style="list-style-type: none"> <li>• افعال حسیہ کا امتحان</li> </ul> <p>Af'āl Ḥissiyya ka Imteḥān (Examination of sensory functions)</p> <ul style="list-style-type: none"> <li>• حرکات انعکاسی کا امتحان</li> </ul> <p>Ḥarakāt Inekāsi ka Imteḥān (Examination of reflexes)</p> <ul style="list-style-type: none"> <li>• ٹروپھک تغیرات کا امتحان</li> </ul> <p>Trophic Taghayyurāt ka Imteḥān (Examination of Trophic changes)</p> <ul style="list-style-type: none"> <li>• تغیزی افعال کا امتحان</li> </ul> <p>Mukhaikhi Af'āl ka Imteḥān (Examination of cerebellar functions)</p> <ul style="list-style-type: none"> <li>• نفسیاتی مریض کا استفسار و امتحان</li> </ul> <p>Nafsiyāti Marīz ka Istifsār wa Imteḥān (History and Examination of Psychiatric patients)</p> <ul style="list-style-type: none"> <li>• امراض نظام عصبی کی اہم تفتیشات</li> </ul> <p>Amrāze Nizām-e-Aṣabi ki Aham Taftīshāt (Important Investigations of Nervous system)</p>				
11	<p>استفسار و امتحان نظام عظام و مفاصل</p> <p><b>Istefsār wa Imteḥān-e-Nizām-e-Izām wa Mafāsil (History and Examination of Musculo-skeletal System)</b></p> <ul style="list-style-type: none"> <li>• علامات سے استدلال</li> </ul> <p>'Alāmāt se istidlāl (Evaluation through Clinical Features)</p>	3		5	3

	<ul style="list-style-type: none"> <li>• چال سے استدلال</li> </ul> <p>Chāl se istidlāl (Evaluation through gait)</p> <ul style="list-style-type: none"> <li>• امتحان بالنظر</li> </ul> <p>Imteḥān bin-Nazar (Inspection)</p> <ul style="list-style-type: none"> <li>• امتحان باللمس</li> </ul> <p>Imteḥān bil-Lams (Palpation)</p> <ul style="list-style-type: none"> <li>• حرکات مفصلیہ کا امتحان</li> </ul> <p>Ḥarakāt Mafsaliya ka Imteḥān (Examination of movements of Joints)</p> <ul style="list-style-type: none"> <li>• عمود الفقری کا امتحان برائے دکھن، حرکات ودیگر نقائص</li> </ul> <p>Umūdul Faqari ka Imteḥān Barae Dukhan, Ḥarakāt wa Dīgar Naqāis (Examination of spine for tenderness, mobility and other deformities)</p> <ul style="list-style-type: none"> <li>• امراض نظام عظام و مفاصل کی اہم تفتیشات</li> </ul> <p>Amrāze Niḡām-e-Izam wa Mafāsil ki Aham Taftīshat (Important Investigations of Musculo-skeletal System)</p>				
12	<p>اصول علاج عمومی</p> <p><b>Uṣūle Ilāj Umūmi (General Principles of Treatment)</b></p> <ul style="list-style-type: none"> <li>• اصول علاج کی ضرورت و اہمیت</li> </ul> <p>Uṣūle Ilāj ki Zarurat wa Ahmiyat (Need and Importance of Uṣūle Ilāj)</p> <ul style="list-style-type: none"> <li>• طب یونانی میں علاج کے بنیادی ذرائع</li> </ul> <p>Tibbe Unani men Ilāj ke Buniyādi Zara'e (Basic Modes of Treatment in Unani medicine)</p> <ul style="list-style-type: none"> <li>• اصول علاج کے قوانین و رعایتیں</li> </ul> <p>Uṣūle Ilāj ke Qawāneen wa Riāyaten (Principles and Considerations of Uṣūle Ilāj)</p> <ul style="list-style-type: none"> <li>• امراض سوء مزاج سادہ و مادی کا اصول علاج</li> </ul>	3	17	5	0



	<p>Amrāz Sue Mizāj Sāda wa Māddi ka Uṣūle Ilāj (Principles of Treatment of Diseases of Sue Mizāj Sāda and Māddi)</p> <ul style="list-style-type: none"> <li>• اورام کا اصول علاج</li> </ul> <p>Awrām ka Uṣūle Ilāj (Principles of Treatment of Awrām/ Swellings)</p> <ul style="list-style-type: none"> <li>• وجع کا اصول علاج</li> </ul> <p>Waja‘ ka Uṣūle Ilāj (Principles of Treatment of Waja‘/ Pain)</p> <ul style="list-style-type: none"> <li>• سده کا اصول علاج</li> </ul> <p>Sudda ka Uṣūle Ilāj (Principles of Treatment of Sudda/Obstruction)</p> <ul style="list-style-type: none"> <li>• تفرق اتصال کا اصول علاج</li> </ul> <p>Tafarruqe Ittesāl ka Uṣūle Ilāj (Principles of Treatment of Tafarruqe Ittesāl/ Loss of Continuity)</p> <ul style="list-style-type: none"> <li>• قروح، خراجات و سلعات کا اصول علاج</li> </ul> <p>Quruh, Khurajat wa Sala‘at ka Uṣūle Ilāj (Principles of Treatment of Ulcer, Wound and Tumours)</p>				
13	<p>اصول علاج نظامی <b>Uṣūle Ilāj Niṣāmi (Systemic Principles of Treatment)</b></p> <ul style="list-style-type: none"> <li>• امراض دماغ و اعصاب کا اصول علاج</li> </ul> <p>Amrāze Dimāgh wa A’sāb ka Uṣūle Ilāj (Uṣūle Ilāj of Diseases of Nervous system)</p> <ul style="list-style-type: none"> <li>• امراض قلب و دوران خون کا اصول علاج</li> </ul> <p>Amrāze Qalb wa Daurāne Khūn ka Uṣūle Ilāj (Uṣūle Ilāj of Diseases of Cardiovascular system)</p> <ul style="list-style-type: none"> <li>• امراض نظام تنفس کا اصول علاج</li> </ul>	3	10	3	

	<p>Amrāze Nizāme Tanaffus ka Uṣūle Ilāj (Uṣūle Ilāj of Diseases of Respiratory System)</p> <ul style="list-style-type: none"> <li>• امراض نظام ہضم کا اصول علاج</li> </ul> <p>Amrāze Nizāme Hazm ka Uṣūle Ilāj (Uṣūle Ilāj of Diseases of Digestive system)</p> <ul style="list-style-type: none"> <li>• امراض نظام بول کا اصول علاج</li> </ul> <p>Amrāze Nizāme Baul ka Uṣūle Ilāj (Uṣūle Ilāj of Diseases of Urinary system)</p> <ul style="list-style-type: none"> <li>• امراض باہ کا اصول علاج</li> </ul> <p>Amrāze Bāh ka Uṣūle Ilāj (Uṣūle Ilāj of Sexual diseases)</p> <ul style="list-style-type: none"> <li>• امراض نسواں کا اصول علاج</li> </ul> <p>Amrāze Niswān ka Uṣūle Ilāj (Uṣūle Ilāj of Gynaecological disorders)</p> <ul style="list-style-type: none"> <li>• امراض خمد و لا قناتی کا اصول علاج</li> </ul> <p>Amrāze Ghudad La Qanāti ka Uṣūle Ilāj (Uṣūle Ilāj of Hormonal disorders)</p> <ul style="list-style-type: none"> <li>• امراض نقص استتالہ کا اصول علاج</li> </ul> <p>Amrāze Naqse Istihāla ka Uṣūle Ilāj (Uṣūle Ilāj of Metabolic disorders)</p> <ul style="list-style-type: none"> <li>• امراض جلد کا اصول علاج</li> </ul> <p>Amrāz Jild wa ka Uṣūle Ilāj (Uṣūle Ilāj of Diseases of Skin)</p> <ul style="list-style-type: none"> <li>• بے ضابطہ طرز زندگی سے ہونے والے امراض کا اصول علاج</li> </ul> <p>Be Zābta Tarze Zindagi se hone wāle Amrāz ka Uṣūle Ilāj (Uṣūle Ilāj of Lifestyle disorders)</p>				
<b>Total Marks</b>		<b>100</b>	<b>100 hr</b>	<b>54 hr</b>	

**Table 3: Learning objectives (Theory) of Course**

<b>Paper 1</b>									
<b>A3</b> Course outcome	<b>B3</b> Learning Objective (At the end of the session, the students should be able to)	<b>C3</b> Domain/ sub	<b>D3</b> Must to know / desirable to know / Nice toknow	<b>E3</b> Level Does/ Shows how/ Knows how/ Know	<b>F3</b> T-L method	<b>G3</b> Assessment (Refer abbreviations)	<b>H3</b> Formative/ summative	<b>I3</b> Term	<b>J3</b> Integration
<b>Topic 1</b>									
عمومی تعارف									
<b>Umūmī Ta'ruf (General introduction)</b>									
(Lecture : 4 hours, Non lecture: 0 hours)									
CO1,CO2,CO3,CO4	Describe the importance and aims & objectives of Sareeriyat	CC	MK	K	L	P-VIVA,TH	F&S	I	
CO3	Enumerate the basic diagnostic tools of Unani Medicine	CK	MK	K	L	P-VIVA, DEB,TH	F&S	I	
CO4	Enumerate different types of Alāmāte Şihḥat	CK	MK	K	L	P-VIVA,TH	F&S	I	
CO4	Describe in general Alāmāte Marz and their significance	CC	MK	K	L	P-VIVA,TH	F&S	I	
CO4	Differentiate between Alāmāt of Amrāz-e-Asliya wa Shirkiya	CC	MK	K	L	P-VIVA, QZ,TH	F&S	I	
CO4	Explain different attributes taken into consideration in the diagnosis of Bātni Amrāz	CC	MK	K	L	P-VIVA, TH	F&S	I	
CO4	Describe Alāmāt-e-Sue Mizāj Hār, Bārid, Ratb and Yābis	CK	MK	K	L	P-VIVA, M- CHT,TH	F&S	I	
CO4	Define Imtila and describe its types	CC	MK	K	L	P-VIVA, PUZ,TH	F&S	I	

CO1	Describe Alāmāt-e-Imtila of Akhlāte Arba'a	CC	MK	K	L	P-VIVA, M- CHT,TH	F&S	I	
CO4	Describe Alāmāt-e-Aurām Ḥārā wa Bārīda	CK	MK	K	L	P-VIVA,TH	F&S	I	
CO4	Describe Alāmāt-e-Tafarruq-e-ittesāl	CK	MK	K	L	P-VIVA,TH	F&S	I	
<b>Topic 2</b>									
روداد مرض									
<b>Rūdād-e-Marīz (History Taking)</b>									
(Lecture : 4 hours, Non lecture: 2 hours)									
CO1,CO6	Discuss the Umūmī Uṣūl-o-Zawābit of Rūdād-e-Marīz	CC	MK	K	L	P-VIVA,QZ ,TH	F&S	I	
CO1	Enumerate different points in Istefsārāt-e-umūmī and describe their significance	CC	MK	K	L	P-VIVA, TH	F&S	I	
CO1	Describe various factors taken in consideration while documenting Maujūda Aham Shikayāt	CC	MK	K	L,PL	P-VIVA, COM,TH	F&S	I	
CO1	Describe significance of taking Rūdād-e-Marāze Hāliya and Rūdād-e-sābiqa	CC	MK	K	L&PPT	P-VIVA, INT,TH	F&S	I	
CO1	Describe significance of taking Rūdād-e-Ilāj wa Jarahat	CC	MK	K	L	P-VIVA,TH	F&S	I	
CO1	Enumerate various diseases taken into consideration while taking Rūdād-e-Khandani wa Peshā warāna Rūdād	CK	MK	K	L&GD	P-VIVA,QZ ,TH	F&S	I	
CO7	Enumerate different points taken into consideration while taking Zaati, Samaji and Ma'ashi Rūdād and describe their significance	CC	MK	K	L	P-VIVA,TH	F&S	I	
CO1	Enumerate different points considered while taking Rūdād-e-Niswān and describe their significance	CC	MK	K	L	P-VIVA,TH	F&S	I	

CO1	Enumerate different points considered while taking Rūdād-e-Qabālat and describe their significance	CC	MK	K	L	P-VIVA,TH	F&S	I	
<b>Topic 3</b> <b>امتحان مریض عمومی</b> <b>Imteḥān-e-Marīz Umūmī (General Examination of the Patient)</b> (Lecture : 14 hours, Non lecture: 10 hours)									
CO2,CO6	Discuss the Umūmī Uṣūl-o-Zawābit of Imtehaane Marīz	CC	MK	K	L,BS	P-VIVA,TH	F&S	I	
CO2	Discuss General Appearance, Built and nutrition of the patient and its importance	CC	MK	K	L	P-VIVA,TH	F&S	I	
CO2	Explain different facial expressions of the patient and their significance	CC	DK	K	L_VC	P-VIVA,TH	F&S	I	
CO2	Discuss the significance of Posture and gait in general examination of the patient	CC	MK	K	L,RP	P-VIVA, P-EN,TH	F&S	I	
CO2	Define Pīlapan (Pallor), enumerate its causes and sites of its examination	CK	MK	K	L_VC	P-VIVA, PRN,QZ,TH	F&S	I	
CO2	Define Yarqān (Icterus) and describe its types, causes and sites of its examination	CK	MK	K	L_VC	P-VIVA,PRN, QZ ,TH	F&S	I	
CO2	Define Nīlguni (Cyanosis) and describe its types, causes and sites of its examination	CK	MK	K	L_VC	P-VIVA, PRN, QZ, TH	F&S	I	
CO2	Define Tahabbuj (Oedema) and describe its types, causes and sites of its examination	CK	MK	K	L_VC	P-VIVA,PRN, QZ, TH	F&S	I	
CO2	Enumerate the conditions where Zightul varīdul vidāji (JVP) is raised	CK	MK	K	L&PPT	P-VIVA,PUZ, TH	F&S	I	
CO2	Describe the possible findings in the examination of nails	CC	MK	K	L_VC,IBL	P-VIVA, PRN, TH	F&S	I	

CO2	Describe the causes and grades of clubbing of fingers and the method of its examination	CC	MK	K	L_VC	P-VIVA, PRN, TH	F&S	I	
CO2	Enumerate the important sites and possible findings of examination of lymph nodes	CC	MK	K	L,L_VC,SIM	P-VIVA, PRN,TH	F&S	I	
CO2	Describe the possible major findings in the general examination of Skin	CC	MK	K	L,L&PPT,FC	P-VIVA,TH	F&S	I	
CO2	Enumerate the possible findings in the examination of conjunctiva, pupil and eyelids	CC	MK	K	L_VC	P-VIVA,TH	F&S	I	
CO2	Enumerate the possible findings in the general examination of mouth and pharynx	CK	MK	K	L&PPT	P-VIVA,TH	F&S	I	
CO2	Define Blood Pressure. Define Hypertension and Enumerate its causes and describe its classification	CC	MK	K	L&PPT	P-VIVA, M-CHT,TH	F&S	I	
CO2	Define Pulse rate, state its normal range and variations and enumerate various conditions affecting Pulse rate	CC	MK	K	L	P-VIVA,TH	F&S	I	
CO2	Define Respiratory Rate and write down its normal range	CC	MK	K	L	P-VIVA,TH	F&S	I	
CO2	Define tachypnoea and Bradypnoea and enumerate their causes	CK	MK	K	L	P-VIVA,TH	F&S	I	
CO2	Describe the normal temperature of human body and its variations and enumerate various sites for taking temperature	CK	MK	K	L	P-VIVA,TH	F&S	I	
CO2,CO6	Describe the factors taken into consideration while recording the temperature of the patient with a thermometer	CK	MK	K	L	P-VIVA, QZ, TH	F&S	I	
CO2	Enumerate the contraindications of taking oral temperature	CK	MK	K	L	P-VIVA, QZ, TH	F&S	I	

CO2	Enumerate the causes of hypothermia and pyrexia	CK	MK	K	L	P-VIVA, QZ, TH	F&S	I	
CO2	Describe various types of fever	CK	MK	K	L,DIS	P-VIVA, MCHT,TH	F&S	I	
<b>Topic 4</b>									
استفسار و امتحان نظام هضم									
<b>Istefsār wa Imteḥān-e-Nizām-i-Hazm (History and Examination of Digestive System)</b>									
(Lecture : 10 hours, Non lecture: 6 hours)									
CO2,CO4	Enlist & Explain Wajūh-e-Istidlāl for Amrāz-e-Meda	CC	MK	K	L&PPT,L&GD	P-VIVA, PUZ, MCHT,TH	F&S	I	
CO2,CO4	Enlist & Explain Wajūh-e-Istidlāl for Amrāz-e-Kabid	CC	MK	K	L&PPT	P-VIVA, PUZ, MCHT,TH	F&S	I	
CO2,CO4	Enlist the cardinal symptoms of Amrāz-e-Nizām-e-Hazm	CK	MK	K	L&PPT	P-VIVA, MCHT, PA, TH	F&S	I	
CO2,CO4	Explain Dala'il Amzjah Medah	CK	MK	K	L&PPT	P-VIVA, MCHT, M-POS, TH	F&S	I	
CO2,CO4	Describe the Alāmāt of Sue Mizāj-e-Meda Ḥār	CK	MK	K	L&PPT	P-VIVA, M-HT, TH	F&S	I	
CO2,CO4	Describe the Alāmāt of Sue Mizāj-e-Meda Bārid	CK	MK	K	L&PPT	P-VIVA, M-HT, TH	F&S	I	
CO2,CO4	Describe the Alāmāt of Sue Mizāj-e-Meda Ratb	CK	MK	K	L&PPT	P-VIVA, MCHT,TH	F&S	I	
CO2,CO4	Describe the Alāmāt of Sue Mizāj-e-Meda Yābis	CK	MK	K	L&GD	P-VIVA, M-CHT,TH	F&S	I	
CO2,CO4	Describe Alāmāt-e-fasāde Hazm	CK	MK	K	L&PPT,DIS	P-VIVA, M-POS, TH	F&S	I	

CO2,CO4	Describe Alāmāt-e-Amzījah Taba'i Kabid	CK	MK	K	L&PPT	P-EXAM,M-POS,TH	F&S	I	
CO2,CO4	Describe the Alāmāt of Sue Mizāj-e-Kabid Ḥār	CK	MK	K	L&PPT,DIS	P-VIVA,M-CHT,TH	F&S	I	
CO2,CO4	Describe the Alāmāt of Sue Mizāj-e- Kabid Bārid	CK	MK	K	L&PPT,L&GD	P-VIVA,M-CHT,TH	F&S	I	
CO2,CO4	Describe the Alāmāt of Sue Mizāj-e- Kabid Ratb	CK	MK	K	L&PPT,L&GD	P-VIVA,M-CHT,TH	F&S	I	
CO2,CO4	Describe the Alāmāt of Sue Mizāj-e- Kabid Yābis	CK	MK	K	L&PPT,L&GD	P-VIVA,M-CHT,TH	F&S	I	
CO2,CO4	Describe Alāmāt-e-Zofe Kabid	CK	MK	K	L&PPT,L&GD	P-VIVA,M-POS,TH	F&S	I	
CO2,CO4	Enlist the causes of pain in abdomen	CK	MK	K	L&PPT,L&GD	P-VIVA, QZ,TH	F&S	I	
CO2,CO4	Describe the clinical significance of Pain in abdomen and its assessing points	CC	MK	K	L&PPT,L&GD	P-VIVA, P-EN, TH	F&S	I	
CO2,CO4	Describe the clinical importance of Nuqsān-e-Ishtiha/ Butlān-e-Ishtiha	CC	MK	K	L&PPT,L&GD	P-VIVA,TH	F&S	I	
CO2,CO4	Describe the clinical importance of Qai-ud-Dam and Barāz-ud-Dam	CC	MK	K	L&PPT,L&GD	P-VIVA,TH	F&S	I	
CO2,CO4	Explain the difference among Qai, Tahayyu & Ghisyan and describe their clinical importance	CC	MK	K	L&PPT,L&GD	P-VIVA,TH	F&S	I	
CO2,CO4	Describe the different changes in the shape of abdomen, shape and position of umbilicus and explain their clinical importance	CC	MK	K	L&PPT,L&GD	P-VIVA,TH	F&S	I	
CO2,CO4	Differentiate the causes of distention of abdomen and explain its clinical importance	CC	MK	K	L&PPT,L&GD	P-VIVA,TH	F&S	I	
CO2,CO4	Describe the different types of abdominal swellings and explain their clinical importance	CC	MK	K	L&PPT,L&GD	P-VIVA,TH	F&S	I	



CO2,CO4	Explain the skin changes, visible peristaltic movements, and dilated veins in examination of abdomen	CC	MK	K	L&PPT,L&GD	P-VIVA,TH	F&S	I	
CO2,CO4	Define caput medusae & spider navi and explain their mechanism and causes	CC	MK	K	L&PPT	P-VIVA, M-MOD,TH	F&S	I	
CO2,CO4,CO6	Describe the method of palpation of liver, spleen, gall bladder & kidney	CC	MK	KH	L&PPT,L_VC	P-VIVA, PA,TH	F&S	I	
CO2,CO4	Explain the examination methods of ascites	CC	MK	KH	L&PPT,L_VC	P-VIVA, PA,TH	F&S	I	
CO2,CO4,CO6	Explain the procedure of examination of lump	CC	MK	KH	L&PPT, L_VC,DIS	P-VIVA, PA,TH	F&S	I	
CO2,CO4,CO6	Explain the procedure of examination of tenderness, rebound tenderness, rigidity & guarding	CC	MK	KH	L&PPT, L_VC	P-VIVA, PA,TH	F&S	I	
CO2,CO4,CO6	Describe the method of asseesment of bowel sound, borborygmi sound, hepatic/ splenic rub, venous hum, bruits & succussion splash	CC	MK	KH	L&GD,L_VC	P-VIVA,TH	F&S	I	
CO2,CO4,CO6	Explain the method of percussion in abdominal examination and describe percussion notes	CC	MK	KH	L&PPT,L_VC	P-VIVA,TH	F&S	I	
CO2,CO4,CO6	Describe method of examination of shifting dullness, horseshoe shaped dullness & fluid thrill	CC	MK	KH	L&PPT,L_VC	P-VIVA, PA,TH	F&S	I	
CO2,CO4,CO6	Explain method of percussion of liver	CC	MK	KH	L&PPT,L_VC	P-VIVA, PA,TH	F&S	I	
CO2,CO4	Explain the importance of USG in diagnosis of different diseases of digestive system	CC	MK	K	L&PPT	P-VIVA,TH	F&S	I	
CO2,CO4	Explain the importance of endoscopy, proctoscopy and sigmoidoscopy in diagnosis of different diseases of digestive system	CC	DK	K	L,L&PPT	P-VIVA,TH	F&S	I	

CO2,CO4	Explain the importance of X ray, CT scan and MRI in diagnosis of different diseases of digestive system	CC	DK	K	L&PPT,TH	P-VIVA,TH	F&S	I	
CO2,CO4	Explain the role of barium meal, barium swallow and barium enema in diagnosis of different diseases of digestive system	CC	DK	K	L&PPT	P-VIVA,TH	F&S	I	
CO2,CO6	Explain the importance of ERCP and oral cholecystography and intravenous cholangiography in diagnosis of different diseases of digestive system	CC	NK	K	L&PPT,CD	P-VIVA,TH	F&S	I	

### Topic 5

استفسار و امتحان نظام تنفس

### Istefsār wa Imteḥān-e-Nizām-e-Tanaffus (History and Examination of Respiratory System)

(Lecture : 10 hours, Non lecture: 6 hours)

CO2,CO4	Enlist & Explain Dala'il-e- Amrāz-e-Riya	CC	MK	K	L&PPT	P-VIVA, PUZ, M-CHT,TH	F&S	II	
CO2,CO4	Enlist the cardinal symptoms of Amrāz-e-Nizām-e-Tanaffus	CK	MK	K	L&PPT	P-VIVA, PUZ, MCHT, TH	F&S	II	
CO2,CO4	Describe the characteristics of Taba'i Mizāje Riya	CC	MK	K	L&PPT	P-VIVA, PA, TH	F&S	II	
CO2,CO4	Explain the Su'e Mizāje Riya Ḥār	CC	MK	K	L, L&PPT	P-VIVA, M-CHT,TH	F&S	II	
CO2,CO4	Explain the Su'e Mizāje Riya Bārid	CC	MK	K	L&PPT	P-VIVA,M-CHT,TH	F&S	II	
CO2,CO4	Explain the Su'e Mizāje Riya Ratb	CC	MK	K	L&PPT	P-VIVA,M-CHT,TH	F&S	II	
CO2,CO4	Explain the Su'e Mizāje Riya Yābis	CC	MK	K	L&PPT	P-VIVA, M-CHT,TH	F&S	II	
CO2,CO4	Enumerate and explain different types of Nafas	CC	MK	K	L&PPT	P-VIVA, PUZ, M-CHT, TH	F&S	II	

CO2,CO4	Describe the causes of Nafas-e-Azīm, Nafas-e-Saghīr, Nafas-e-Shadīd, Nafas-e-Shahīq, Nafas-e-Tawīl and Nafas-e-Qasīr and explain their clinical significance	CK	MK	K	L,L&PPT	P-VIVA,PA,TH	F&S	II	
CO2,CO4	Enlist and explain Su'e Tanaffus according to Alāmāt-e-Marz	CC	MK	K	L,L&PPT	P-VIVA, PUZ,TH	F&S	II	
CO2,CO4	Describe types, causes, characters and clinical importance of Su'āl	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Describe the types and clinical importance of Zīqun Nafas	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Describe the causes and clinical importance of Nafsud Dam	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Describe the clinical importance of chest pain	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Diagnose Different types of respiratory diseases based on physical examination of sputum	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the normal and abnormal shapes of chest and their clinical importance	CC	MK	K	L,L&PPT,DIS	P-VIVA,M-MOD,TH	F&S	II	
CO2,CO4	Describe the normal and abnormal shapes of chest and explain their clinical importance	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Describe the normal and abnormal movements of chest and explain their clinical importance	CC	MK	K	L&PPT, L_VC	P-VIVA,TH	F&S	II	
CO2,CO4	Describe the normal and abnormal positions of trachea and mediastinum and explain their clinical importance	CC	MK	K	L&PPT, L_VC	P-VIVA,TH	F&S	II	
CO2,CO4	Explain Trail's sign and apex impulse	CC	MK	K	L&PPT, L_VC	P-VIVA,PA,TH	F&S	II	
CO2,CO4	Explain the method of palpation of chest	CC	MK	KH	L&PPT, L_VC	P-VIVA,PA,TH	F&S	II	

CO2,CO4	Describe the method of examination of tactile vocal fremitus (TVF) and explain their clinical importance	CC	MK	KH	L&PPT, L_VC	P-VIVA,TH	F&S	II	
CO2,CO4	Describe the palpatory and auscultatory areas of the chest	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the normal breath sounds (brochial & vesicular)	CC	MK	K	L&PPT, L_VC	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the abnormal breath sounds (wheeze, crepitation & pleural rub)	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Describe the method of examination of vocal resonance and explain their clinical importance	CC	MK	KH	L,L&PPT, L_VC	P-VIVA, PA,TH	F&S	II	
CO2,CO4	Describe the basic investigations of diseases of respiratory system	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the importance of X ray in the diagnosis of different diseases of respiratory system	CC	MK	K	L&GD, L_VC	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the importance of CT scan & MRI in the diagnosis of different diseases of respiratory system	CC	DK	K	L&PPT, L&GD	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the role of sputum examination in the diagnosis of different diseases of respiratory system	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the importance of bronchoscopy and BAL in the diagnosis of different diseases of respiratory system	CC	DK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the importance of PFT in the diagnosis of different diseases of respiratory system	CC	DK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the importance of pleural aspiratin and biopsy in the diagnosis of different diseases of respiratory system	CC	NK	K	L,L&PPT	P-VIVA,TH	F&S	II	

**Topic 6**

استفسار و امتحان نظام قلب و عروق

**Istefsār wa Imteḥān-e-Nizām-e-Qalb wa Urūq (History and Examination of Cardiovascular System)**

(Lecture : 10 hours, Non lecture: 6 hours)

CO2,CO4	Enlist & explain Dala'il Amrāz-e-Qalb	CC	MK	K	L,L&PPT	P-VIVA, PUZ, M-CHT, TH	F&S	II	
CO2,CO4	Enlist the cardinal symptoms of Amrāz-e-Nizām-e-Qalb	CC	MK	K	L,L&PPT	P-VIVA, PA, TH	F&S	II	
CO2,CO4	Describe the characteristics of Taba'i Mizāje Qalb	CC	MK	K	L,L&PPT	P-VIVA, M-CHT, TH	F&S	II	
CO2,CO4	Explain the clinical features of Su'e Mizāje Qalb	CC	MK	K	L	P-VIVA, PUZ, M-CHT, TH	F&S	II	
CO2,CO4	Explain the Su'e Mizāje Qalb Ḥār	CC	MK	K	L,L&PPT	P-VIVA, PUZ, M-CHT, TH	F&S	II	
CO1,CO4	Explain the Su'e Mizāje Qalb Bārid	CC	MK	K	L,L&PPT	P-VIVA, PUZ, M-CHT, TH	F&S	II	
CO2,CO4	Explain the Su'e Mizāje Qalb Ratb	CC	MK	K	L,L&PPT	P-VIVA, PUZ, M-CHT, TH	F&S	II	
CO2,CO4	Explain the Su'e Mizāje Qalb Yābis	CC	MK	K	L,L&PPT	P-VIVA, PUZ, M-CHT, TH	F&S	II	
CO2,CO4	Describe the types, causes, characters and clinical importance of Su'āl	CC	MK	K	L,L&GD	P-VIVA, PA, TH	F&S	II	
CO2,CO4	Describe the types and clinical importance of Zīqun Nafas	CC	MK	K	L,L&PPT	P-VIVA, TH	F&S	II	
CO2,CO4	Describe the causes and clinical significance of Nafsud Dam	CC	MK	K	L,L&PPT	P-VIVA, TH	F&S	II	

CO2,CO4	Describe location, character, aggravating and relieving factors and radiation of chest pain and their clinical significance	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Describe the causes & clinical importance of Khafqan	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Describe the causes & clinical importance of dizziness/ syncopal attack	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Define pulse, Explain its various aspects of evaluation	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the method of palpation of apex beat, thrills, parasternal heave and tracheal tug	CC	MK	KH	L&PPT, L_VC	P-VIVA,SP, PA,TH	F&S	II	
CO2,CO4	Describe auscultatory areas of the heart	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Describe the normal heart sounds	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Define murmur. Enumerate & explain its different types	CC	MK	K	L,L&PPT	P-VIVA, PA,TH	F&S	II	
CO2,CO4	Explain opening snap, systolic ejection click and pericardial rub and summarize their importance	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Describe the basic investigations of diseases of cardiovascular system	CC	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the importance of ECG &TMT in diagnosis of different cardiovascular diseases	CC	DK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the importance of echocardiography in diagnosis of different cardiovascular diseases	CC	DK	K	L,L&PPT	P-VIVA,TH	F&S	II	
CO2,CO4	Explain the importance of angiography in coronar artery disease	CC	NK	K	L,L&PPT	P-VIVA,TH	F&S	II	
<b>Topic 7</b> نبض									

<b>Nabz (Pulse)</b> (Lecture : 8 hours, Non lecture: 3 hours)									
CO1,CO2,CO3	Define Nabz.	CC	MK	K	L&PPT, BS,FC	T-CS,T-OBT, P-VIVA,TH	F&S	II	H-MA
CO1,CO2,CO3	Describe and demonstrate methods of palpation of Nabz.	CC	MK	K	L&PPT, D	T-OBT, P- VIVA, PA,TH	F&S	II	H-MA
CO2,CO3,CO4,CO6	Describe the terms and conditions of Imtehaan-i-Nabz.	CC	MK	K	L&PPT, FC	T-OBT, P- VIVA, TH	F&S	II	H-MA
CO2,CO3,CO4	Describe the clinical significance of Imtehaan-i-Nabz.	CC	MK	K	L&PPT, PER	P-VIVA, P- POS, CL-PR, TH	F&S	II	H-MA
CO2,CO3,CO6	Discuss that the examination of Nabz is actually healing touch for patients.	AFT- VAL	MK	KH	L&PPT, L&GD,FC	T-CS,T-OBT, P-VIVA,TH	F&S	II	H-MA
CO2,CO3	Enumerate the sites of assessment of Nabz.	CC	MK	K	L&PPT,L_VC, RLE,D	T-CS,T-OBT, M-POS, SP, CHK,TH	F&S	II	H-MA
CO2,CO3	Discuss the importance and significance of Shiryn-e- Zand -A'la's evaluation.	CC	MK	K	L,L&PPT,D	P-VIVA, CL- PR,TH	F&S	II	H-MA
CO2,CO3	Define Nabz-i-Baseet / Mufrad.	CK	MK	K	L&PPT, L&GD	T-OBT, P- VIVA, TH	F&S	II	H-MA
CO2,CO3	Define Adilla-i- Nabz	CK	MK	K	L&PPT, L&GD,PL	T-CS,T-OBT, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Enumerate Adilla-i-Nabz.	CC	MK	K	L&PPT, L&GD	T-OBT, P- VIVA, TH	F&S	II	H-MA
CO2,CO3	Describe the types of Nabz according to Miqdār-i-Inbisāt.	CC	MK	K	L&PPT,PL, RLE,PER	T-CS,T-OBT, P-VIVA, PRN,TH	F&S	II	H-MA
CO2,CO3	Describe the types of Nabz according to Kaifiyat-e-Qara'.	CC	MK	KH	L,L&PPT, DIS	T-CS, P- VIVA, TH	F&S	II	H-MA

CO2,CO3	Describe the types of Nabz according to Zamāna'-i-Ḥarakat.	CC	MK	K	L,L&PPT, DIS	T-OBT, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Describe the types of Nabz according to Zamāna'-i-Sukūn.	CC	MK	K	L,L&PPT, DIS	T-OBT, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Describe the types of Nabz according to Qiwām-i-Āla.	CC	MK	K	L&PPT, DIS,BL,PL	T-CS,T-OBT, P-VIVA,M-POS, TH	F&S	II	H-MA
CO2,CO3	Describe the types of Nabz according to Malmas.	CC	MK	KH	L&PPT, DIS	T-OBT,P-VIVA,TH	F&S	II	H-MA
CO2,CO3	Describe the types of Nabz according to Khalā-o-Imtilā'.	CC	MK	K	L&PPT,DIS	T-OBT, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Describe the types of Nabz according to Niẓām-o-'Adm-i-Niẓām.	CC	MK	K	L&PPT, L_VC, DIS	T-OBT, P-VIVA, PA,TH	F&S	II	H-MA
CO2,CO3	Describe the types of Nabz according to Wazn.	CC	DK	K	L&PPT,DIS	T-OBT, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Differentiate the findings between Nabz-i-Sarī' and Nabz-i-Mutawātir.	CC	DK	KH	L&PPT, L&GD,BS	T-CS,T-OBT, P-VIVA,TH	F&S	II	H-MA
CO2,CO3	Differentiate the findings between Nabz Baṭī and Nabz Mutafāwit.	CC	DK	KH	L&PPT,BS	T- EW, P-VIVA,TH	F&S	II	H-MA
CO2,CO3	Define the Nabz Murakkab.	CK	MK	K	L&PPT,DIS	T- EW, P-VIVA	F&S	II	H-MA
CO2,CO3	Enlist the various types of Nabz Murakkab.	CK	MK	K	L,L&PPT	P-VIVA,TH	F&S	II	H-MA
CO2,CO3	Describe the various types of Nabz Murakkab.	CK	DK	K	L&PPT, L&GD,DIS	T-OBT,P-VIVA, QZ ,TH	F&S	II	H-MA
CO2,CO3	Differentiate the findings between Nabz Ghazālī and nabz Wāqi' fi'l wasaṭ.	CK	DK	KH	L&PPT,DIS	P-VIVA,TH	F&S	II	H-MA



CO2,CO3	Differentiate the findings between Nabz Dhu'l fatra and nabz Wāqi' fi'l wasaṭ.	CK	NK	KH	L&PPT, DIS,FC	T-CS,T-OBT, P-VIVA,TH	F&S	II	H-MA
CO2,CO3	Differentiate the findings between Nabz Mawjī and Nabz Minshārī.	CK	NK	K	L&PPT,DIS	T-OBT,P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Differentiate the Nabz according to gender.	CK	MK	KH	L&PPT,DIS	T-CS, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Differentiate the Nabz according to gender.	CK	NK	KH	L&PPT,DIS, PL,RLE	T-OBT, P-VIVA, SA,PA	F&S	II	H-MA
CO2,CO3	Differentiate the Nabz according to Mizāj (temperament).	CC	DK	KH	L&PPT, DIS,PL	T-OBT, P-VIVA, PA,TH	F&S	II	H-MA
CO2,CO3	Differentiate the Nabz according to various categories of ages.	CC	DK	KH	L&PPT,DIS	T-OBT, P-VIVA, CL-PR	F&S	II	H-MA
CO2,CO3	Differentiate the Nabz according to geographical distribution.	CAN	MK	KH	L&PPT,DIS	T-CS,P-VIVA, PRN,TH	F&S	II	H-MA
CO2,CO3	Differentiate the Nabz according to seasons.	CC	NK	KH	L&PPT, DIS,LS,PL	T-CS,T-OBT, P-VIVA, RS,TH	F&S	II	H-MA
CO2,CO3	Describe the effect of pregnancy on Nabz.	CC	DK	KH	L&PPT,DIS	T-CS,T-OBT, P-VIVA	F&S	II	H-MA
CO2,CO3	Describe the effect of exercise on Nabz.	CC	MK	K	L&PPT,DIS	T- EW,T-OBT, P-VIVA	F&S	II	H-MA
CO2,CO3	Describe the effect of Ḥammām on Nabz.	CK	NK	K	L&PPT,DIS	T-OBT, P-VIVA	F&S	II	H-MA
CO2,CO3	Describe the effect of foods and drinks on Nabz	CC	DK	K	L,L&PPT,DIS	T-OBT, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Describe the effect of psychological factors on Nabz.	CC	NK	K	L&PPT, DIS,FC	T-OBT, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Describe the effect of built on Nabz.	CC	DK	KH	L&PPT,DIS	T-OBT, P-VIVA, TH	F&S	II	H-MA

CO2,CO3	Describe the effect of pain on Nabz.	CC	MK	KH	L&PPT, DIS	T-CS,T-OBT, P-VIVA	F&S	II	H-MA
CO2,CO3	Describe the effect of Aurām on Nabz.	CC	DK	KH	L&PPT,DIS	T-CS,T-OBT, P-VIVA	F&S	II	H-MA
CO2,CO3	Describe the effect of sleep and awakening on Nabz.	CC	MK	K	L&PPT,DIS	T-OBT, P-VIVA, DEB	F&S	II	H-MA
CO2,CO3	Enlist and describe the specific types of Nabz in various diseases.	CC	MK	K	L&PPT,DIS	T-OBT, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Enlist the specific Nabz of Amrāz-e-Rās.	CC	NK	K	L&PPT,DIS	T-OBT, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Enlist the specific Nabz of Amrāz-e-Sadr.	CC	MK	KH	L&PPT,DIS	T-CS,P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Enlist the specific Nabz of Amrāz-e-Qalb.	CC	MK	K	L&PPT,DIS	T-CS,P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Enlist the specific Nabz of Amrāz-e-Meda, Jigar and Tihāl.	CC	MK	K	L&PPT,DIS	T-OBT,P-VIVA,TH	F&S	II	H-MA
CO2,CO3	Enlist the specific Nabz of Amrāz-e-baul-o-tanasul.	CC	NK	K	L&PPT,DIS	T-OBT, P-VIVA	F&S	II	H-MA
CO2,CO3	Enlist the specific Nabz of Ḥummiyāt.	CC	DK	K	L&PPT,DIS	T-OBT, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Enlist the specific Nabz of Amrāz-e-Jild.	CC	MK	K	L&PPT,DIS	T-OBT, P-VIVA, TH	F&S	II	H-MA
CO2,CO3	Enlist the specific Nabz of Buḥrān.	CC	MK	K	L&PPT, DIS,SDL	T-CS,T-OBT, P-VIVA,TH	F&S	II	H-MA

### Topic 8

استفسار و امتحان نظام بول و تناسل

**Istefsār wa Imteḥān-e-Nizām-e-Baul wa Tanāsul (History and Examination of Genito-urinary system)**

(Lecture : 5 hours, Non lecture: 3 hours)

CO1,CO3	Enlist the Tashkhīṣi Dalā'il (diagnostic indications) of genito-urinary system	CK	MK	K	PSM	QZ ,TH	F&S	II	
CO1,CO3	Describe the Tashkhīṣi Dalā'il (diagnostic indications) of genito-urinary system	CC	MK	K	L&PPT,PL	PRN,PA,TH	F&S	II	
CO1,CO3	Enumerate the important clinical features of genito-urinary system	CK	MK	K	L	T-CS, QZ ,TH	F&S	II	
CO1,CO3	Explain the clinical features of genito-urinary system	CC	MK	K	L,IBL	TH	F&S	II	
CO3,CO4	Describe Ḥurqatul Baul (burning micturition) and enlist its causes	CC	MK	K	L,DIS	QZ ,TH	F&S	II	
CO3,CO4	Explain Baul ud-Dam (haematuria) and enlist its causes	CC	MK	K	L,L&PPT	CL-PR,TH	F&S	II	
CO3,CO4	Explain the importance of urine examination in the diagnosis of uro-genital diseases	CC	MK	K	L,L&PPT, PL	QZ ,PA,TH	F&S	II	
CO2,CO3,CO4	Describe the possible findings of examination over lumbar and supra pubic region	CAN	MK	K	L,FC	INT,TH	F&S	II	
CO2,CO4	Explain the methods of inspection of genitalia and describe the findings.	CC	DK	KH	L,CBL	CL-PR,TH	F&S	II	
CO2,CO4	Explain the method of palpation of kidney	CC	MK	KH	L,L_VC, CBL	T-CS, P-PRF,TH	F&S	II	
CO4	Name kidney diseases responsible for pain and tenderness	CK	MK	K	L&PPT	QZ ,TH	F&S	II	
CO2	Explain the method of examination of genitals for phimosis and paraphimosis	CAP	NK	KH	L_VC	T-CS,TH	F&S	II	
CO3,CO4	Enlist the possible findings on examination of the scrotum.	CK	DK	K	L&PPT	QZ ,TH	F&S	II	

CO2,CO4	Explain the methods of examination of the scrotum for oedema, hydrocele, varicocele, hernia, testicular hypertrophy and atrophy.	CC	DK	KH	L,CBL	T-CS,TH	F&S	II	
CO2	Describe the methods of percussion to assess the boundaries of the urinary bladder	CC	MK	KH	L,L_VC	P-VIVA,TH	F&S	II	
CO2	Enumerate the reasons of abnormal findings on percussion	CK	MK	K	L	TH	F&S	II	
CO2	Describe the auscultation to find out renal artery bruit	CC	NK	KH	L,L&PPT	QZ ,TH	F&S	II	
CO4	Name the causes of renal artery bruit	CK	NK	K	L	QZ ,TH	F&S	II	
CO4	Describe investigations of the genito-urinary system including Urine for routine and microscopic, Urine for culture and sensitivity CBC, KFT, USG W/A, Uroflowmetry, Cystoscopy.	CAN	DK	K	L&PPT,FC	QZ ,CL-PR, TH	F&S	II	
<b>Topic 9</b> <b>بول و براز</b> <b>Baul wa Barāz (Urine and Stool)</b> (Lecture : 5 hours, Non lecture: 0 hours)									
CO3	Discuss the importance of examining Baul in diagnosing diseases.	CC	MK	K	L,DIS	P-VIVA, DEB, PA,TH	F&S	II	H-MA
CO3	Enumerate Dalāil-e-Baul of Urine examination	CK	MK	K	L	P-VIVA,QZ, PUZ, M-CHT,TH	F&S	II	H-MA
CO3	Enlist types of Alwān-e-Baul	CK	MK	K	L	P-VIVA,QZ, PUZ, M-CHT,TH	F&S	II	H-MA
CO3	Enlist and describe types of Baul-e-Asfar and illustrate their clinical significance in the diagnosis	CC	MK	K	L	P-VIVA,QZ, PUZ, M-CHT,TH	F&S	II	H-MA

CO3	Enlist and describe types of Baul-e-Ahmar and illustrate their clinical significance in diagnosis.	CC	MK	K	L	P-VIVA,QZ, M-CHT, TH	F&S	II	H-MA
CO3	Enlist and describe types of Baul-e-Akhzar and illustrate their clinical significance in diagnosis.	CC	MK	K	L	P-VIVA,QZ, M-CHT,TH	F&S	II	H-MA
CO3	Enlist and describe the stages of Baul-e-Aswad and illustrate their clinical significance in diagnosis.	CC	MK	K	L	P-VIVA,QZ, M-CHT, TH	F&S	II	H-MA
CO3	Describe and distinguish Alamāt-e-Ihtiraq in Baul-e-Aswad	CC	MK	K	L	P-VIVA, PA,TH	F&S	II	H-MA
CO3	Describe and distinguish Alamāt-e-Burudat in Baul-e-Aswad	CC	MK	K	L	P-VIVA, PA,TH	F&S	II	H-MA
CO3	Enlist and describe types of Baul-e-Abyaz and illustrate their clinical significance in diagnosis.	CC	MK	K	L	P-VIVA, QZ ,M-CHT,TH	F&S	II	H-MA
CO3	Explain the types and clinical significance of urine according to its consistency.	CC	MK	K	L	P-VIVA, PA,TH	F&S	II	H-MA
CO3	Enlist types of Ghair Tabai Rasūb-e-Baul and describe it qualities & pathological states.	CC	MK	K	L	P-VIVA, QZ ,M-CHT, TH	F&S	II	H-MA
CO3	Describe the clinical significance of Zubdat-ul-Baul in the examination of Urine.	CC	MK	K	L	P-VIVA,TH	F&S	II	H-MA
CO3	Identify the conditions affecting urine output.	CK	MK	K	L	P-VIVA,TH	F&S	II	H-MA
CO3	Explain the clinical significance of the presence and absence of smell in urine.	CC	MK	K	L	P-VIVA, PA,TH	F&S	II	H-MA
CO3	Demonstrate the qualities of Baul-e-Mukaddar & Baul-e-Shaffaf and mention their causation	CC	MK	K	L	P-VIVA,TH	F&S	II	H-MA
CO3	Describe and demonstrate the presence of blood in Urine.	CC	MK	K	L	P-VIVA, PA,TH	F&S	II	H-MA

CO3	Enumerate the causes of Baul-ud-Dam.	CK	MK	K	L	P-VIVA,QZ, PUZ, M- CHT,TH	F&S	II	H-MA
CO3	Explain the clinical significance of the presence of blood in Urine.	CC	MK	K	L,DIS	P-VIVA, PA,TH	F&S	II	H-MA
CO3	Explain the qualities of urine according to gender.	CC	MK	K	L	P-VIVA, QZ, M-CHT,TH	F&S	II	H-MA
CO3	Explain the qualities of urine according to various stages in pregnancy.	CC	MK	K	L	P-VIVA, M- CHT, TH	F&S	II	H-MA
CO3	Explain the qualities of urine in different age groups.	CC	MK	K	L	P-VIVA,M- CHT,TH	F&S	II	H-MA
CO3	Explain the qualities of urine according to temperament.	CC	MK	K	L	P-VIVA,M- CHT,TH	F&S	II	H-MA
CO3	Enlist and describe the specific appearance of Baul in various diseases.	CC	MK	K	L	P-VIVA,M- CHT,TH	F&S	II	H-MA
CO3	Enlist the specific appearance of Baul in various types of Suda'a.	CK	MK	K	L	P-VIVA,M- CHT,TH	F&S	II	H-MA
CO3	Enlist the specific appearance of Baul in various conditions of Amrāz-e-Dimāgh wa Asaab.	CK	MK	K	L	P-VIVA,M- CHT,TH	F&S	II	H-MA
CO3	Enlist the specific appearance of Baul in various conditions of Amrāz-e-Nizām-e-Hazm.	CK	MK	K	L	P-VIVA, QZ ,M-CHT,TH	F&S	II	H-MA
CO3	Enlist the specific appearance of Baul in various conditions of Amrāz-e-Nizām-e-Baul.	CK	MK	K	L	P-VIVA, QZ ,M-CHT,TH	F&S	II	H-MA
CO3	Enlist the specific appearance of Baul in various conditions of Amrāz-e-Nizām-e-Tanaffus.	CK	MK	K	L	P-VIVA, QZ ,M-CHT,TH	F&S	II	H-MA
CO3	Enlist the specific appearance of Baul in various conditions of Amrāz-e-Niswān.	CK	MK	K	L	P-VIVA,M- CHT,TH	F&S	II	H-MA

CO3	Enlist the specific appearance of Baul in various conditions of Hummiyat.	CK	MK	K	L	P-VIVA,M-CHT,TH	F&S	II	H-MA
CO3	Discuss the importance of examining Barāz in diagnosing diseases.	CC	MK	K	L,DIS	P-VIVA,PA,TH	F&S	II	H-MA
CO3	Enlist and explain the Dalāil-e-Barāz and their clinical importance.	CC	MK	K	L	P-VIVA,QZ,PUZ, M-CHT,TH	F&S	II	H-MA
CO3	Describe the qualities of Barāz-e-Maḥmūd.	CC	MK	K	L	P-VIVA, TH	F&S	II	H-MA
CO3	Describe the specific appearance of stool in various diseases.	CC	MK	K	L	P-VIVA, M-CHT, TH	F&S	II	H-MA

### Topic 10

استفسار و امتحان نظام عصبی

### Istefsār wa Imteḥān-e-Nizām-e-Aṣabi (History and Examination of Nervous System)

(Lecture : 10 hours, Non lecture: 12 hours)

CO3,CO4	Enlist the diagnostic indications of nervous system	CK	MK	K	L	QZ ,TH	F&S	III	
CO3,CO4	Explain the diagnostic indicators of nervous system	CC	MK	K	L	QZ ,TH	F&S	III	
CO4	Enumerate the clinical features of the nervous system	CK	MK	K	L	QZ ,TH	F&S	III	
CO4	Discuss the diseases of the nervous system through clinical features	CC	MK	K	L	T-OBT,TH	F&S	III	
CO4	Enlist different Af'āl-e-Ḥissiyya, Ḥarakiyya, Siyāsiya and Ṭabī'iyya	CK	MK	K	L	TH	F&S	III	
CO4	Explain Af'āl-e-Ḥissiyya in detail	CC	MK	K	L	TH	F&S	III	
CO4	Explain Af'āl-e-Ḥarakiyya in detail	CC	MK	K	L	TH	F&S	III	
CO4	Explain Af'āl-e-Siyāsiya in detail	CC	MK	K	L	TH	F&S	III	

CO4	Explain Af'āl-e-Ṭabī'yya	CC	MK	K	L	TH	F&S	III	
CO4	Enlist and explain different levels of consciousness	CC	MK	K	L,L_VC	P-EN, PUZ, M-CHT, TH	F&S	III	
CO4	Describe different emotional states	CC	DK	K	L	TH	F&S	III	
CO4	Explain the orientation of the patient with respect to time, person, place & person.	CC	MK	K	L,CBL	QZ ,TH	F&S	III	
CO4	Differentiate illusion, delusion and hallucination	CAN	DK	K	L&GD	QZ ,DEB, TH	F&S	III	
CO4	Explain the assessment of memory, intelligence and speech	CAN	DK	K	L,PBL	P-RP,QZ ,TH	F&S	III	
CO2,CO4	Explain the examination of the unconscious patient	CC	MK	KH	L	QZ ,TH	F&S	III	
CO4	Interpret the breath smell of an unconscious patient	CAN	DK	K	L	QZ ,TH	F&S	III	
CO2,CO4	Define Glasgow coma scale and describe different domains in brief	CC	NK	K	L	M-CHT, TH	F&S	III	
CO4	Describe the findings of the examination of cranium and spine	CC	DK	K	L&PPT	TH	F&S	III	
CO2	Explain examination methods of all cranial nerves and describe the findings in terms of diseases	CC	MK	KH	L_VC,DIS, PBL,FC	P-EN,P-RP, QZ ,TH	F&S	III	
CO2,CO4	Explain the examination of motor functions for volume, tone, power, coordination and involuntary movements	CC	MK	KH	L_VC	TH	F&S	III	
CO2,CO4	Describe the superficial, deep and cortical sensory examination	CC	DK	KH	L&GD, L_VC, CBL,RP	P-PRF,P-EN, TH	F&S	III	
CO2,CO4	Describe the clinical examination of superficial, deep and visceral reflexes	CAP	DK	KH	L_VC	M-CHT,TH	F&S	III	



CO2,CO4	Describe the examination of trophic changes	CC	NK	KH	L	TH	F&S	III	
CO2,CO4	Describe the clinical examination of cerebellar functions	CC	DK	KH	L_VC, EDU,RP	P-EN,QZ ,TH	F&S	III	
CO1,CO2	Describe the history taking and examination of psychiatric patients	CC	MK	KH	L&GD	TH	F&S	III	
CO4	Interpret the findings of EEG, CT/ MRI brain, and Nerve conduction test, CSF examination	CAN	DK	K	L&PPT	QZ ,C-INT, TH	F&S	III	
<b>Topic 11</b>									
استفسار و امتحان نظام عظام ومفاصل									
<b>Istefsār wa Imteḥān-e-Niḏām-e-Izām wa Mafāsil (History and Examination of Musculo-skeletal System)</b>									
(Lecture : 5 hours, Non lecture: 3 hours)									
CO2,CO3	Define the fundamental techniques of history taking.	CC	MK	K	L&PPT, L&GD	P-VIVA, C- VC,TH	F&S	III	
CO2,CO3	Describe the method of assessment for joint pain.	CC	MK	KH	L&PPT, L_VC,DIS	T-CS,P- VIVA,TH	F&S	III	
CO2,CO3,CO4	Recognize the tenderness of bones and joints.	CC	MK	KH	L&PPT, DIS,IBL	T-CS,P- VIVA,CL- PR,TH	F&S	III	
CO2,CO3	Describe various types of gait due to joint disability	CC	DK	KH	L&PPT, L_VC,EDU	P-VIVA,QZ , C-VC,TH	F&S	III	
CO2,CO3,CO4	Define callosities and ulcers on soles.	CC	NK	KH	L&PPT,L_VC	T-CS,P- VIVA,QZ ,TH	F&S	III	
CO2,CO3,CO4	Describe the changes in skin color, swelling, warmth, stiffness of joints and various deformities.	CC	MK	KH	L&PPT, L_VC,IBL	P-VIVA, C- VC,TH	F&S	III	
CO2,CO3,CO4	Define the crepitus during palpation of joints.	CC	MK	KH	L&PPT, L_VC	T-CS, T-OBT, P-VIVA,TH	F&S	III	

CO2,CO3,CO4	Explain the movements of limbs, joints and spine.	CAP	MK	KH	L&PPT, L_VC,EDU	T-CS, P-VIVA, TH	F&S	III	
CO2,CO3,CO4	Describe spinal curve and Illustrate the flexion and extension at hip and knees joint.	CAP	DK	KH	L&PPT, L_VC,IBL	T-CS,T-OBT, P-VIVA,TH	F&S	III	
CO2,CO3	Define about rheumatoid arthritis and explain about saw neck deformity.	CC	NK	KH	L&PPT, L_VC	T-CS,T-OBT, P-VIVA,TH	F&S	III	
CO3,CO4,CO6	Describe the investigations:  ESR, C-Reactive protein, RA factor, ANA (Antinuclear antibody), Uric Acid, Synovial fluid examination, Synovial biopsy, X-rays, CT, MRI, Isotopic scanning, DEXA (Dual Energy x-ray absorpmetry)	CAP	DK	KH	L&PPT, L_VC, XRay	P-VIVA,TH	F&S	III	
<b>Topic 12</b> <b>اصول علاج عمومي</b> <b>Uşūle Ilāj Umūmi (General Principles of Treatment)</b> (Lecture : 5 hours, Non lecture: 0 hours)									
CO5	Discuss the need and importance of Uşūle Ilāj.	CC	MK	K	L&GD	P-VIVA, DEB, PA,TH	F&S	III	
CO5	Enlist the basic modes of treatment in Unani medicine.	CK	MK	K	L	P-VIVA,WP, M-CHT,TH	F&S	III	
CO5	Discuss the importance of Ilāj-Bit-Tadbīr-wal-Ghiza	CC	MK	K	L&GD	P-VIVA, DEB, PA,TH	F&S	III	
CO5	Enumerate the principles and considerations of Uşūle Ilāj.	CK	MK	K	L	PRN,DEB, M-CHT,PA	F&S	III	
CO5	Define Ilāj Bil-Zid and Ilāj Bil-Misl.	CK	MK	K	L	P-VIVA,TH	F&S	III	
CO5	Describe the role of diet in treatment.	CC	MK	K	L,DIS	P-VIVA, DEB, PA,TH	F&S	III	H-MA

CO5	Explain the Aḥkāmāt-e-Ghiza and its importance in Uṣūle Ilāj.	CC	MK	K	L	P-VIVA, PA,TH	F&S	III	
CO5	Identify the indications and restrictions of Qawi Ilāj.	CC	MK	K	L	P-VIVA, PA,TH	F&S	III	
CO5	Describe the need for a change of Dawā-e-Malūf in treatment.	CC	MK	K	L	P-VIVA, PA,TH	F&S	III	
CO5	Discuss the importance of Taskīn-e-Dard in treatment.	CC	MK	K	L,DIS	P-VIVA, CL-PR,TH	F&S	III	
CO5	Distinguish the indications and contraindications of Qawi Mukhadderāt.	CAN	MK	K	L	P-VIVA, PA,TH	F&S	III	H-MA
CO5	Describe the method of correction of Zakāwat-e-Ḥis	CC	MK	K	L	P-VIVA, TH	F&S	III	
CO5	Explain the role of Ilāj-e-Nafsāni, Tabdili-e-Aab-o-Hawa and Tabdili-e-Waza in Uṣūle Ilāj.	CC	MK	K	L	P-VIVA, PRN,TH	F&S	III	
CO5	Describe the conditions posing difficulties and dilemmas in treatment.	CC	MK	K	L,BS	P-VIVA, PA,TH	F&S	III	
CO5	Describe the Nuskha Khalal-e-Shikam and identify its importance.	CC	MK	K	L	P-VIVA, M-CHT, TH	F&S	III	
CO5	Explain the line of treatment of an undiagnosed case.	CC	MK	K	L,DIS	P-VIVA, PA,TH	F&S	III	
CO5	Describe the Uṣūle Ilāj of Su-e-Mizāj Sāda.	CC	MK	K	L	P-VIVA, TH	F&S	III	
CO5	Describe the Uṣūle Ilāj of Su-e-Mizāj Māddi.	CC	MK	K	L	P-VIVA, TH	F&S	III	
CO5	Define Nuzj, describe its need, symptoms, and considerations.	CC	DK	K	L&PPT	P-VIVA, PRN,TH	F&S	III	V-IBT
CO5	Enlist the Ayyam-e-Nuzj of various Akhlat.	CK	MK	K	L	P-VIVA,QZ, M-CHT,TH	F&S	III	
CO5	Define Istifragh, and describe its conditions, principles, and considerations.	CC	DK	K	L&PPT	P-VIVA, PRN,TH	F&S	III	V-IBT

CO5	Classify the Istifragh and describe its various types.	CC	DK	K	L	QZ ,WP, M-CHT	F&S	III	
CO5	Classify the Aurām and explain their stages.	CC	MK	K	L	QZ ,PUZ, M-CHT	F&S	III	
CO5	Describe Uşūle Ilāj of Aurām-e-Ĥārā.	CC	MK	K	L	P-VIVA, PA,TH	F&S	III	
CO5	Describe Uşūle Ilāj of waram-e-ufooni.	CK	MK	K	L	P-VIVA, TH	F&S	III	
CO5	Describe Uşūle Ilāj of Aurām according to their stages.	CC	MK	K	L	P-VIVA,TH	F&S	III	
CO5	Describe Uşūle Ilāj of Aurām-e-Bārīda.	CC	MK	K	L	P-VIVA,TH	F&S	III	
CO5	Describe Uşūle Ilāj of Aurām-e-Sulb.	CK	MK	K	L	P-VIVA,TH	F&S	III	
CO5	Describe Uşūle Ilāj of Aurām-e-Rīhi.	CC	MK	K	L	P-VIVA,TH	F&S	III	
CO5	Describe Uşūle Ilāj of Aurām-e-Māyi.	CC	MK	K	L	P-VIVA,TH	F&S	III	
CO5	Describe Uşūle Ilāj of Aurām-e-Batiniya	CC	MK	K	L	P-VIVA,TH	F&S	III	
CO5	Describe Uşūle Ilāj of Aaujā'	CC	MK	K	L	P-VIVA, PA,TH	F&S	III	
CO5	Enumerate and describe the types of Aujā'	CC	MK	K	L	P-VIVA, QZ ,M-CHT, TH	F&S	III	
CO5	Discuss the role of Ilāj Bit-Tadbīr in pain management	CC	MK	K	L,L&PPT	P-VIVA, PRN, PA,TH	F&S	III	V-IBT
CO5	Identify the causes of Sudda	CK	MK	K	L	P-VIVA, M-CHT, TH	F&S	III	
CO5	Explain the Uşūle Ilāj of Sudda	CC	MK	K	L	P-VIVA, TH	F&S	III	
CO5	Explain the Uşūle Ilāj of Tafarruq-e-Ittesāl	CC	MK	K	L	P-VIVA, TH	F&S	III	
CO5	Describe the Uşūle Ilāj of Tafarruq-e-Ittesāl of Aza-e-Layyena	CC	MK	K	L	P-VIVA, TH	F&S	III	
CO5	Discuss the Uşūle Ilāj of Razz wa Shadakh	CC	MK	K	L	P-VIVA, TH	F&S	III	

CO5	Explain the Uṣūle Ilāj of Wasa	CC	MK	K	L	P-VIVA, TH	F&S	III	
CO5	Describe the Uṣūle Ilāj of Qurūh.	CC	MK	K	L	P-VIVA, TH	F&S	III	
CO5	Explain the Uṣūle Ilāj of Qurūh-e-mufrida	CC	MK	K	L	P-VIVA, TH	F&S	III	
CO5	Explain the Uṣūle Ilāj of Qurūh-e-Bātina	CC	MK	K	L	P-VIVA, TH	F&S	III	
CO5	Explain the Uṣūle Ilāj of Khurājāt.	CK	NK	K	L	P-VIVA, TH	F&S	III	
CO5	Explain the Uṣūle Ilāj Sal'āt.	CC	NK	K	L	P-VIVA, TH	F&S	III	
<b>Topic 13</b> اصول علاج نظامی <b>Uṣūle Ilāj Niẓāmi (Systemic Principles of Treatment)</b> (Lecture : 10 hours, Non lecture: 3 hours)									
CO5	Describe the basic principals of treatment of Amrāz-e-Dimāgh wa A'sāb.	CC	MK	K	L,DIS,FC	P-VIVA,TH	F&S	III	
CO5	Explain the role of dietary restrictions in the management of Amrāz-e-Dimāgh wa A'sāb.	CC	MK	K	L,DIS,BS	P-VIVA,TH	F&S	III	
CO5	Enlist single and compound drugs Used in Amrāz-e-Dimāgh wa A'sāb.	CK	MK	K	L	P-VIVA, WP, M-CHT, TH	F&S	III	
CO5	Formulate Uṣūle Ilāj for various diseases of Amrāz-e-Dimāgh wa A'sāb.	CE	DK	K	L,PBL,CBL	P-VIVA, TH	F&S	III	
CO5	Discuss the role of Taskīn-e-Qalb, Taqwiyat-e-Qalb and Tahrīk-e-Qalb in the management of Amrāz-e-Qalb wa Daurān-e-Khūn.	CC	MK	K	L,DIS,BS	P-VIVA,TH	F&S	III	
CO5	Enlist single and compound drugs used in Amrāz-e-Qalb wa Daurān-e-Khūn.	CK	MK	K	L	P-VIVA, PUZ, M-CHT, TH	F&S	III	

CO5	Discuss the role of Illaj Bit Tadbir in the management of Amraz-e-Qalb wa Dauran-e-Khun.	CC	DK	K	L&PPT, DIS	P-VIVA,TH	F&S	III	V-IBT
CO5	Explain the role of diet in the Treatment of Amraz-e-Qalb wa Dauran-e-Khun.	CC	MK	K	L,DIS	P-VIVA,TH	F&S	III	
CO5	Formulate Uşule Ilaj for various diseases of Amraz-e-Qalb wa Dauran-e-Khun.	CE	MK	K	L,PBL,CBL	P-VIVA,TH	F&S	III	
CO5	Describe the basic principals of treatment of Amraz-e-Tanaffus.	CC	MK	K	L,DIS	P-VIVA,TH	F&S	III	
CO5	Enumerate Tadabir-e-Harra and Tadabir-e-Barida Used in Amraz-e-Anf.	CK	MK	K	L	P-VIVA, PUZ, M-CHT, TH	F&S	III	
CO5	Explain the role of Ilaj Bit Tadbir in the management of Amraz-e-Tanaffus.	CC	DK	K	L&PPT,DIS	P-VIVA,TH	F&S	III	V-IBT
CO5	Enlist single and compound drugs used in Amraz-e-Tanaffus.	CK	MK	K	L	P-VIVA, PUZ, M-CHT, TH	F&S	III	
CO5	Formulate Uşule Ilaj for various diseases of Amraz-e-Tanaffus	CE	MK	K	L,PBL,CBL	P-VIVA,TH	F&S	III	
CO5	Describe the basic principals of treatment of Amraz-e-Nizam-e-Hazm.	CC	MK	K	L,DIS	P-VIVA,TH	F&S	III	
CO5	Enlist single and compound drugs used in Amraz-e-Nizam-e-Hazm.	CK	MK	K	L	P-VIVA, WP, M-CHT, TH	F&S	III	
CO5	Formulate Uşule Ilaj for various diseases of Amraz-e-Nizam-e-Hazm.	CE	MK	K	L,PBL,CBL	P-VIVA, TH	F&S	III	
CO5	Describe the basic principals of treatment of Amraz-e-Nizam-e-Baul.	CC	MK	K	L,DIS	P-VIVA, TH	F&S	III	
CO5	Enlist single and compound drugs used in Amraz-e-Nizam-e-Baul.	CK	MK	K	L	P-VIVA, PUZ, M-CHT, TH	F&S	III	

CO5	Formulate Uṣūle Ilāj for various diseases of Amrāz-e-Nizām-e-Baul.	CE	MK	K	L,PBL,CBL	P-VIVA,TH	F&S	III	
CO5	Describe the basic principals of treatment of Amrāz-e-Bāh.	CC	MK	K	L,DIS	P-VIVA, TH	F&S	III	
CO5	Enlist single and compound drugs used in Amrāz-e-Bāh.	CK	MK	K	L	P-VIVA, M-CHT,TH	F&S	III	
CO5	Enlist diets beneficial in Amrāz-e-Bāh.	CK	MK	K	L	P-VIVA, WP, TH	F&S	III	
CO5	Formulate Uṣūle Ilāj for various diseases of Amrāz-e-Bāh.	CE	MK	K	L,PBL,CBL	P-VIVA, TH	F&S	III	
CO5	Describe the basic principles of the treatment of Amrāz-e-Niswān.	CC	MK	K	L,DIS	P-VIVA, TH	F&S	III	
CO5	Discuss the role of Ilāj Bit Tadbīr in the management of Amrāz-e-Niswān.	CC	DK	K	L&PPT,DIS	P-VIVA,TH	F&S	III	V-IBT
CO5	Enlist single and compound drugs used in Amrāz-e-Niswān.	CK	MK	K	L	P-VIVA, M-CHT,TH	F&S	III	
CO5	Formulate Uṣūle Ilāj for various diseases of Amrāz-e-Niswān.	CE	MK	K	PBL,CBL	P-VIVA, TH	F&S	III	
CO5	Formulate Uṣūle Ilāj for various diseases of Amrāz-e-Ghudud La Qanāti.	CE	MK	K	PBL,CBL	P-VIVA,TH	F&S	III	
CO5	Describe the basic principals of treatment of Amrāz-e- Naqse Istehāla.	CC	MK	K	L,DIS	P-VIVA,TH	F&S	III	
CO5	Discuss the role of hepatic and stomach tonics in the management of Amrāz-e- Naqse Istehāla.	CK	MK	K	L,DIS	P-VIVA,TH	F&S	III	
CO5	Explain the role of Illaj Bit Tadbīr in the management of Amrāz-e-Naqse Istehāla.	CC	DK	K	L&PPT, DIS	P-VIVA,TH	F&S	III	V-IBT
CO5	Explain the role of Ilāj Bit Tadbīr in the management of Amrāz-e-Dimāgh wa A'sāb.	CC	DK	K	L&PPT, DIS	P-VIVA,TH	F&S	III	

CO5	Discuss the role of lifestyle changes and dietary modification in the management of Amrāz-e-Naqse Istehāla.	CC	DK	K	L&PPT, DIS	P-VIVA,TH	F&S	III	
CO5	Enlist important single and compound drugs used in Amrāz-e-Naqse Istehāla.	CK	MK	K	L	P-VIVA, M-CHT,TH	F&S	III	
CO5	Formulate Uşūle İlāj for various diseases of Amrāz-e- Naqse Istehāla.	CE	MK	K	L,PBL,CBL	P-VIVA, TH	F&S	III	
CO5	Describe the basic principals of treatment of Amrāz-e- Jild.	CC	MK	K	L,DIS	P-VIVA,TH	F&S	III	
CO5	Explain the role of Illaj Bit Tadbīr in the management of Amrāz-e-Jild.	CC	MK	K	L,L&PPT ,DIS	P-VIVA,TH	F&S	III	V-IBT
CO5	Enlist single and compound drugs used in Amrāz-e-Jild.	CK	MK	K	L	P-VIVA, M-CHT, TH	F&S	III	
CO5	Formulate Uşūle İlāj for various diseases of Amrāz-e-Jild.	CE	MK	K	L,PBL,CBL	P-VIVA,TH	F&S	III	
CO5	Enumerate the various conditions of lifestyle disorders.	CK	MK	K	L	P-VIVA,TH	F&S	III	
CO5	Describe the basic principals of treatment of lifestyle disorders.	CC	MK	K	L,DIS	P-VIVA,TH	F&S	III	
CO5	Discuss the role of İlāj Bit Tadbīr in the management of lifestyle disorders.	CC	MK	K	L&PPT, DIS	P-VIVA,TH	F&S	III	V-IBT
CO5	Discuss the role of dietary modifications in the management of lifestyle disorders.	CC	MK	K	L,DIS	P-VIVA,TH	F&S	III	
CO5	Formulate Uşūle İlāj for various diseases of lifestyle disorders.	CE	MK	K	L,PBL,CBL	P-VIVA,TH	F&S	III	



### List of Practicals (Term and Hours)

<b>PRACTICALS (Marks-100)</b>			
S.No	List of Topics	Term	Hours
1	روداد مریض Rūdād-e-Marīz (History Taking)	1	8
2	امتحان مریض عمومی Imteḥān-e-Marīz Umūmī (General Examination of the Patient)	1	18
3	استفسار و امتحان نظام هضم Imteḥān-e-Niḏām-e-Hazm (Examination of Digestive System)	1	16
4	امتحان نظام تنفس Imteḥān-e-Niḏām-e-Tanaffus (Examination of Respiratory System)	2	16
5	امتحان نظام قلب و عروق Imteḥān-e-Niḏām-e-Qalb wa urūq (Examination of Cardiovascular System)	2	16
6	نبض Nabz	2	10
7	امتحان نظام بول و تناسل Imteḥān-e-Niḏām-e-Baul wa Tanāsul (Examination of Genito-Urinary system)	2	10
8	امتحان نظام عصبی Imteḥān-e-Niḏām-e-Aṣabi (Examination of Nervous System)	3	25
9	امتحان نظام عظام و مفاصل Imteḥān-e-Niḏām-e-Izam wa Mafāsil (Examination of Musculo-Skeletal System)	3	7

**Table 4: Learning objectives (Practical)**

A4 Course outcome	B4 Learning Objective (At the end of the session, the students should be able to)	C4 Domain/sub	D4 Must to know / desirable to know / Nice to know	E4 Level Does/ Shows how/ Knows how/ Know	F4 T-L method	G4 Assessment	H4 Formative/ summative (Refer abbreviations)	I4 Term	K4 Integration
<b>Topic 1</b>									
روداد مرض <b>Rūdād-e-Marīz (History Taking)</b>									
CO1,CO6	Communicate with the patient empathetically	AFT-RES	MK	SH	BT,D_BED	P-VIVA, P-EXAM, P-CASE	F&S	I	
CO1	Elicit, document and present Istefsārāt-e-umūmi of the patient	PSY-MEC	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,PRN, P-CASE,COM	F&S	I	
CO1	Elicit, document and present Maujūda Aham Shikayat of the patient	PSY-MEC	MK	SH	CBL,D_BED	P-VIVA,P-EXAM, PRN,P-CASE,COM	F&S	I	
CO1	Elicit, document and present Rūdād-e-Maraze Ḥāliya of the patient	PSY-MEC	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,PRN,P-CASE,COM	F&S	I	
CO1	Elicit, document and present Rūdād-e-sābiqa of the patient	PSY-MEC	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,PRN,P-CASE,COM	F&S	I	
CO6	Elicit, document and present Rūdād-e-Ilāj wa Jarāhat of the patient	PSY-MEC	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,PRN,P-CASE,COM	F&S	I	

CO1	Elicit, document and present Rūdād-e-Khāndani wa Pешa warāna Rūdād of the patient	PSY-MEC	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,PRN,P-CASE,COM	F&S	I	
CO1	Elicit, document and present Zāti aur Samāji Ma'āshi Rūdād of the patient	PSY-MEC	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,PRN,P-CASE,COM	F&S	I	
CO1	Elicit, document and present Rūdād-e-Qabālat wa Niswān of the patient	PSY-MEC	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,PRN,P-CASE,COM	F&S	I	
<b>Topic 2</b>									
امتحان مریض عمومی									
<b>Imteḥān-e-Marīz Umūmī (General Examination of the Patient)</b>									
CO2	Observe, document and Present General Appearance and Built and nutrition of the patient	PSY-MEC	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,PRN	F&S	I	
CO2	Observe, document and present the Posture and gait of the patient	PSY-MEC	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,PRN	F&S	I	
CO2	Perform and Demonstrate the examination of Pīlapan (Pallor)	PSY-MEC	MK	SH	CBL,KL,D_BED	P-VIVA,P-EXAM	F&S	I	
CO2	Perform and Demonstrate the examination of Yarqān (Icterus)	PSY-MEC	MK	SH	CBL,KL,D_BED	P-VIVA,P-EXAM	F&S	I	
CO2	Perform and demonstrate the examination of Nīlguni (Cyanosis)	PSY-MEC	MK	SH	CBL,KL,D_BED	P-VIVA,P-EXAM	F&S	I	
CO2	Perform and demonstrate examination of Tahabbuj (Oedema)	PSY-MEC	MK	SH	CBL,KL,D_BED	P-VIVA,P-EXAM	F&S	I	
CO2	Perform and Demonstrate assessment of Zightul varīdul vidāji (JVP)	PSY-MEC	MK	SH	CBL,KL,D_BED	P-VIVA,P-EXAM	F&S	I	
CO2	Perform and demonstrate the examination of Nails	PSY-MEC	MK	SH	CBL,KL,D_BED	P-VIVA,P-EXAM	F&S	I	
CO2	Perform and demonstrate the examination of Ghudude lymfāwi	PSY-MEC	MK	SH	CBL,KL,D_BED	P-VIVA,P-EXAM	F&S	I	

CO2	Perform and demonstrate the general examination of Skin	PSY-MEC	MK	SH	CBL,KL, D_BED	P-VIVA,P- EXAM	F&S	I	
CO2	Perform and demonstrate the general examination of Eyes	PSY-MEC	MK	SH	CBL,KL, D_BED	P-VIVA,P- EXAM	F&S	I	
CO2	Perform and demonstrate the general examination of Mouth and Pharynx	PSY-MEC	MK	SH	CBL,KL, D_BED	P-VIVA,P- EXAM	F&S	I	
CO2	Measure the Zightul Dam accurately	PSY-MEC	MK	SH	CBL,KL, D_BED	P-VIVA,P- EXAM	F&S	I	
CO2	Measure Pulse rate accurately	PSY-MEC	MK	SH	CBL,KL, D_BED	P-VIVA,P- EXAM	F&S	I	
CO2	Measure Respiratory Rate accurately	PSY-MEC	MK	SH	CBL,KL, D_BED	P-VIVA,P- EXAM	F&S	I	
CO2	Measure Temperature accurately at different sites	PSY-MEC	MK	SH	CBL,KL, D_BED	P-VIVA,P- EXAM	F&S	I	
<b>Topic 3</b>									
استفسار و امتحان نظام ہضم									
<b>Imteḥān-e-Nizām-e-Hazm (Examination of Digestive System)</b>									
CO2,CO4,CO6	Demonstrate the different changes in the shape of abdomen	PSY-MEC	MK	SH	CBL,PT, D_BED	P-VIVA,P- EXAM	F&S	I	
CO2,CO4,CO6	Demonstrate the different changes in the Shape and position of the umbilicus	PSY-GUD	MK	SH	CBL,PL, D_BED,PRA	P-VIVA,SP	F&S	I	
CO2,CO4,CO6	Demonstrate the different types of abdominal swellings	PSY-GUD	MK	SH	CBL,PT	P-VIVA,P- EXAM,P-PRF	F&S	I	
CO2,CO4,CO6	Demonstrate the skin changes, visible veins, and visible peristaltic movements in examination of abdomen	PSY-GUD	MK	SH	CBL,PT	P-VIVA,SP	F&S	I	
CO2,CO4	Demonstrate caput Medusa, and spider navi	PSY-GUD	DK	SH	CBL,PRA	P-VIVA,P- EXAM	F&S	I	
CO2,CO4,CO6	Demonstrate Imteḥān Bil Lams	PSY-GUD	MK	SH	CBL,SIM	P-VIVA,PA	F&S	I	

CO2,CO4,CO6	Demonstrate the method of palpation of liver, spleen, gall bladder and kidneys	PSY-ADT	MK	SH	CBL,PL, PRA	P-EXAM,P-PRF,OSCE	F&S	I	
CO2,CO4,CO6	Demonstrate the methods of examination of ascites	PSY-GUD	MK	SH	CBL,SIM, PRA	P-EXAM,PA	F&S	I	
CO2,CO4,CO6	Demonstrate the procedure of examination of lump	PSY-GUD	MK	SH	CBL,PL	P-VIVA,P-PRF,PA	F&S	I	
CO2,CO4	Demonstrate the procedure of examination of tenderness, rebound tenderness, rigidity & guarding	PSY-GUD	MK	SH	CBL,PT	P-VIVA,P-PRF	F&S	I	
CO2,CO4	Demonstrate normal bowel sound, borborygmi sound, hepatic/ splenic rub, venous hum, bruits, succussion splash	PSY-GUD	MK	SH	CBL,PT	P-VIVA,P-EXAM,P-PRF	F&S	I	
CO2,CO4	Demonstrate examination of acute abdomen	PSY-GUD	MK	SH	CBL,PT	P-VIVA,P-EXAM,P-PRF	F&S	I	
CO2,CO4	Demonstrate Murphy's sign and Boas sign & explain their clinical significance	PSY-GUD	MK	SH	CBL,PL,PRA	P-VIVA,P-EXAM,P-PRF,OSCE	F&S	I	
CO2,CO4	Demonstrate Cullen sign & explain its clinical significance	PSY-GUD	MK	SH	CBL,PT	P-VIVA,P-EXAM,P-PRF,OSCE	F&S	I	
CO2,CO4	Demonstrate mcBurney's point & explain its clinical significance	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,P-PRF,OSCE	F&S	I	
CO2,CO4	Demonstrate Psoas sign, Rovsing sign & Obturator sign & explain their clinical significance	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,P-PRF,OSCE	F&S	I	
CO2,CO4	Demonstrate percussion in abdominal examination	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,P-PRF	F&S	I	
CO2,CO4	Demonstrate shifting dullness, horseshoe shaped dullness & fluid thrill	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-EXAM,P-PRF	F&S	I	
CO2,CO4	Demonstrate percussion of liver	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF	F&S	I	

CO2,CO4	Interpret the findings of X ray abdomen	PSY-GUD	DK	SH	XRay	P-VIVA,PA	F&S	I	
CO2,CO4	Interpret the findings of USG	PSY-GUD	MK	SH	LRI	P-EXAM,P-PRF	F&S	I	
<b>Topic 4</b>									
امتحان نظام تنفس									
<b>Imteḥān-e-Nizām-e-Tanaffus (Examination of Respiratory System)</b>									
CO2,CO4	Demonstrate examination of dilated veins	PSY-GUD	MK	SH	CBL,SIM, D_BED	P-VIVA,P-PRF	F&S	II	
CO2,CO4	Demonstrate the normal & abnormal types of breathing	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF,PA	F&S	II	
CO2,CO4	Demonstrate the normal & abnormal movement of chest	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF	F&S	II	
CO2,CO4	Demonstrate the rate, rhythm, character, expansion & symmetry of the chest	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF	F&S	II	
CO2,CO4	Demonstrate Trail's sign & apex impulse	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF,PA	F&S	II	
CO2,CO4	Demonstrate the normal and abnormal positions of trachea and mediastinum.	PSY-GUD	MK	SH	CBL,PL, D_BED	P-VIVA,P-PRF	F&S	II	
CO2,CO4,CO6	Demonstrate the method of palpation of chest	PSY-GUD	MK	SH	CBL,SIM, D_BED	P-VIVA,P-PRF,OSCE	F&S	II	
CO2,CO4	Demonstrate the method of examination of tactile vocal fremitus (TVF )	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF,OSCE	F&S	II	
CO2,CO4,CO6	Demonstrate the palpatory and auscultatory areas of the chest	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-REC,P-PRF, C-VC	F&S	II	
CO2,CO4	Demonstrate the normal breath sounds (bronchial & vesicular)	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,PA	F&S	II	
CO2,CO4	Demonstrate the abnormal breath sounds (wheeze, crepitation, pleural rub)	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF	F&S	II	

CO2,CO4	Demonstrate the method of examination of vocal resonance	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF	F&S	II	
CO2,CO4	Demonstrate the areas of cardiac dullness, hepatic dullness and shifting dullness	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF,PA	F&S	II	
CO2,CO4	Interpret the findings of X ray chest	PSY-GUD	MK	SH	XRray	P-VIVA,PA	F&S	II	
<b>Topic 5</b>									
امتحان نظام قلب و عروق									
<b>Imteḥān-e-Nizām-e-Qalb wa urūq (Examination of Cardiovascular System)</b>									
CO2,CO4	Demonstrate examination of pulse and assess its different points	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF,PA	F&S	II	
CO2,CO4	Demonstrate normal and abnormal shape of the chest, movement, position of the trachea and mediastinum, and apex impulse	PSY-GUD	MK	SH	CBL,SIM,D_BED	P-VIVA,P-PRF	F&S	II	
CO2,CO4	Examine changes in skin colour, scar, venous prominence and swelling.	PSY-GUD	MK	SH	CBL,SIM,D_BED	P-VIVA,P-PRF	F&S	II	
CO2,CO4	Demonstrate palpation of apex beat, thrills, parasternal heave and tracheal tug	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF,OSCE	F&S	II	
CO2,CO4	Demonstrate auscultatory areas of the heart	PSY-GUD	MK	SH	CBL,SIM,D_BED	P-VIVA,P-PRF	F&S	II	
CO2,CO4	Demonstrate the normal heart sounds	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF	F&S	II	
CO2,CO4	Demonstrate murmur & distinguish its different types	PSY-GUD	MK	SH	CBL, D_BED	P-VIVA,P-EXAM,P-PRF	F&S	II	
CO2,CO4	Demonstrate opening snap, systolic ejection click and pericardial rub	PSY-GUD	MK	SH	CBL,D_BED	P-VIVA,P-PRF	F&S	II	
CO2,CO4	Interpret the normal and abnormal findings in ECG	PSY-GUD	MK	SH	CBL,CD,D_BED	P-VIVA	F&S	II	
<b>Topic 6</b>									
نبض									
<b>Nabz</b>									

CO2,CO3,CO6	Demonstrate the palpation of Nabz compassionately and empathetically.	AFT-VAL	MK	SH	PBL,CBL, D_BED	P-VIVA,P- EXAM,P- CASE	F&S	II	H-MA
CO2,CO3,CO6	Identify and locate the site of assessment of Shiryān-e- zand -a'lā	PSY-GUD	MK	KH	PBL,CBL, CD,D_BED	P-VIVA,P- EXAM,P- CASE	F&S	II	H-MA
CO2,CO3,CO6	Identify and locate the site of assessment of Shiryān -e- 'azdi.	PSY-GUD	MK	KH	PBL,CBL, CD,D_BED	P-VIVA,P- EXAM,P- PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Identify and locate the site of assessment of Shiryān -e-subati.	PSY-GUD	MK	KH	PBL,CBL, CD,D_BED	P-VIVA,P- EXAM,P- PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Identify and locate the site of assessment of Shiryān-e- fakhizi.	PSY-GUD	MK	KH	CBL,CD, D_BED	P-VIVA,P- EXAM,P- PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Identify and locate the site of assessment of Shiryān -e- mabiz- al-rukba.	PSY-GUD	MK	KH	PBL,CBL, CD,D_BED	P-VIVA,P- EXAM,P- PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Identify and locate the site of assessment of Shiryān -e -qaşabatul-kubrā muakhhkar.	PSY-GUD	MK	KH	PBL,CBL, CD,D_BED	P-VIVA,P- EXAM,P- PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Identify and locate the site of assessment of shiryān-e-qadam zāhri.	PSY-GUD	MK	KH	PBL,CBL, CD,D_BED	P-VIVA,P- EXAM,P- PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the proper method of palpation of Shiryān -e-zand -a'lā.	PSY-GUD	MK	KH	PBL,CBL, CD,D_BED	P-VIVA,P- EXAM,P- PRF,P- CASE,OSCE ,Mini-CEX	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the assessment of Shiryān -e- zand -a'lā with different methods.	PSY-GUD	MK	KH	CBL,PL,CD , D_BED	P-VIVA,P- EXAM,P- PRF,C- INT,Mini-CEX	F&S	II	H-MA



CO2,CO3,CO6	Demonstrate the proper method of palpation of Shiryān -e- 'azdi.	PSY-GUD	MK	KH	IBL,CBL, PL, CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE,Mini-CEX	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the proper method of palpation of Shiryān -e-subāti.	PSY-GUD	MK	KH	CBL,PL,CD, D_BED	P-VIVA,P-EXAM,P-PRF,C-INT	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the proper method of palpation of Shiryān-e-fakhizi.	PSY-GUD	MK	KH	CBL,PL,CD, D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE,OSCE ,Mini-CEX	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the proper method of palpation of Shiryān-e-maabiz-ur-Rukba.	PSY-GUD	MK	KH	CBL,PL,CD, D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE,OSCE	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the proper method of palpation of Shiryān -e -qaşaba al-kubrā muakhhkar.	PSY-GUD	MK	KH	CBL,CD, D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE,OSCE	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the proper method of palpation of Shiryān- e-qadam zahri.	PSY-GUD	MK	KH	CBL,CD, D_BED	P-VIVA,P-EXAM,P-PRF,C-INT,OSCE	F&S	II	H-MA
CO2,CO3,CO6	Practice to assess Miqdar-i-Inbisāt-i-Nabz and recognize its types.	PSY-GUD	MK	KH	CBL,PL,CD ,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Assess and recognize the difference between Nabz azīm and Nabz saghīr	PSY-GUD	MK	KH	IBL,CBL,CD ,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Practice the assessment of Kaifiat-i-qar'a and recognize different types on its basis.	PSY-GUD	MK	KH	PBL,CBL, CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA

CO2,CO3,CO6	Practice the assessment of zamāna' -i-ḥarakat wa zamāna' -i-sukūn and recognize types of Nabz on its basis.	PSY-GUD	MK	KH	PBL,CBL,CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Assess and recognize the difference between Nabz-i- sarī and Nabz-i-mutawātir.	PSY-GUD	MK	SH	PBL,CBL,CD,D_BED	P-VIVA,P-EXAM, P-CASE,Mini-CEX	F&S	II	H-MA
CO2,CO3,CO6	Assess and recognize the difference between Nabz 'baṭī and Nabz mutafāwit.	PSY-GUD	MK	SH	PBL,CBL,CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Practice the assessment of Qiwām-i-ala and recognize the types of Nabz on its basis.	PSY-GUD	MK	SH	PBL,CBL,CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the assessment of Nabz mumtalī and Nabz khālī.	PSY-GUD	MK	KH	PBL,CBL,CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the assessment of Nabz based on Istiwa wa Ikhtilāf.	PSY-GUD	DK	KH	PBL,CBL,CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA
CO2,CO3	Demonstrate the assessment of Nabz based on Niḡām-o-'adm-i-niḡām	PSY-GUD	DK	KH	CBL,CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Observe and practice the assessment of Ikhtilaf-i-nabz in more than two dimensions and find the nabz murakkab if any.	PSY-SET	DK	KH	CBL,CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the assessment of Nabz in different diseases.	PSY-SET	MK	KH	CBL,CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the comparison between two pulses of the same origin.	PSY-SET	NK	SH	CBL,CD,D_BED	P-VIVA,P-EXAM	F&S	II	H-MA
CO2,CO3,CO6	Demonstrate the Comparison between two pulses of different origin.	PSY-SET	NK	KH	CBL,TUT,CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	II	H-MA

CO2,CO3,CO6	Observe and assess radio-femoral delay, if any.	PSY-GUD	DK	SH	CBL,CD, D_BED	P-VIVA,P- EXAM,P- PRF,Mini- CEX	F&S	II	H-MA
CO2,CO3,CO6	Observe absence of Pulse if any.	PSY-SET	MK	KH	CBL,CD, D_BED	P-VIVA,P- EXAM,P- CASE,OSCE	F&S	II	H-MA
<b>Topic 7</b>									
امتحان نظام بول و تناسل									
<b>Imteḥān-e-Niḏām-e-Baul wa Tanāsul (Examination of Genito-Urinary system)</b>									
CO2	Observe and demonstrate the presence of swelling over the lumbar region, supra pubic region and genitalia.	PSY-GUD	MK	SH	D_BED	P-PRF	F&S	II	
CO2,CO6	Observe and demonstrate the palpation for tenderness due to kidney or genital diseases, and to assess phimosis, scrotal edema, hydrocele, varicocele, hernia, testicular hypertrophy and atrophy.	PSY-GUD	MK	SH	CBL,KL, D_BED	P-EXAM,P- PRF,OSCE	F&S	II	
CO2,CO4	Observe and demonstrate the percussion of the abdomen for shifting dullness, and full bladder and correlate its reason	PSY-GUD	MK	SH	KL,D_BED	P-VIVA,P- EN,Mini-CEX	F&S	II	
CO2	Observe, demonstrate and recognize renal artery bruit by auscultation	PSY-GUD	MK	SH	CBL,CD, D_BED	P-PRF	F&S	II	
<b>Topic 8</b>									
امتحان نظام عصبي									
<b>Imteḥān-e-Niḏām-e-Aṣabi (Examination of Nervous System)</b>									
CO2	Observe and demonstrate the assessment of higher functions of the brain	PSY-GUD	DK	SH	GBL,D_BED	P-PRF,Mini- CEX	F&S	III	
CO2,CO6	Observe and conduct the examination of the unconscious patient	PSY-GUD	DK	SH	KL,D_BED	P-PRF,SP	F&S	III	

CO2	Observe and demonstrate the examination of the cranium and spine	PSY-GUD	MK	SH	D_BED	P-PRF,P-CASE	F&S	III	
CO2	Observe and demonstrate the examination of all cranial nerves	PSY-GUD	MK	SH	EDU,D_BED	P-PRF,OSCE	F&S	III	
CO2	Observe and demonstrate the examination of motor functions	PSY-GUD	DK	SH	CBL,D_BED	P-PRF,Mini-CEX	F&S	III	
CO2	Observe and demonstrate the examination of sensory functions	PSY-GUD	DK	SH	D_BED	P-PRF,OSCE,Mini-CEX	F&S	III	
CO2	Observe and Demonstrate the Examination of reflexes	PSY-GUD	MK	SH	CBL,D_BED	P-PRF	F&S	III	
CO2	Observe and conduct the examination of trophic changes	PSY-GUD	MK	SH	D_BED	P-PRF	F&S	III	
CO2	Observe and demonstrate the examination of cerebellar functions	PSY-GUD	MK	SH	RP,D_BED	P-PRF,P-EN	F&S	III	
CO1,CO2	Observe and conduct the history taking and examination of psychiatric patients	PSY-GUD	NK	SH	D_BED	P-PRF	F&S	III	
<b>Topic 9</b>									
امتحان نظام عظام ومفاصل									
<b>Imteḥān-e-Nizām-e-Izam wa Mafāsil (Examination of Musculo-Skeletal System)</b>									
CO2,CO3	Distinguish between gaits that it is difficult to walk up and down stairs.	PSY-SET	MK	KH	CBL,EDU,CD, D_BED	P-VIVA, P-EXAM, P-PRF,P-CASE,Mini-CEX	F&S	III	
CO2,CO3	Demonstrate changes of skin color, swelling, stiffness of joints and deformities.	PSY-SET	MK	KH	CBL,CD, D_BED	P-VIVA,P-EXAM,P-PRF,C-INT,CHK	F&S	III	
CO2,CO3,CO6	Demonstrate the examination of kyphosis, lordosis, scoliosis and gibbus.	PSY-GUD	MK	KH	CBL,EDU,CD,D_BED	P-VIVA,P-EXAM,P-PRF,P-CASE	F&S	III	

CO2,CO3	Demonstrate the movements of limbs, joints and spine.	PSY-GUD	MK	KH	CBL,PL,CD, D_BED	P-VIVA,P-EXAM,P-PRF, C-VC	F&S	III	
CO2,CO3	Demonstrate the examination of joints for warmth and swelling.	PSY-GUD	MK	KH	CBL,CD, D_BED	P-VIVA,P-EXAM,P-PRF,P-POS,P-CASE	F&S	III	
CO2,CO3	Assess the tenderness of bones and joints and Demonstrate the grading of joint tenderness by observing the patient's reaction.	PSY-GUD	DK	KH	CBL,PL,CD, D_BED	P-VIVA,P-EXAM,P-PRF, C-VC,Mini-CEX	F&S	III	
CO2,CO3	Demonstrate the crepitus during palpation of joints.	PSY-GUD	MK	KH	CBL,PSM,CD, D_BED	P-VIVA,P-EXAM, C-VC,SP,OSCE ,Mini-CEX	F&S	III	
CO2,CO3	Demonstrate flexion and extension at hip and knees joint as well as demonstrate the prostration.	PSY-GUD	MK	KH	CBL,CD, D_BED	P-VIVA,P-EXAM,P-CASE	F&S	III	
CO2,CO3	Demonstrate the examination of neck movement.	PSY-GUD	MK	KH	CBL,CD, D_BED	P-VIVA,P-EXAM,P-CASE, C-VC	F&S	III	
CO2,CO3,CO4,CO6	Describe the investigations and interpret: ESR C-Reactive protein RA factor ANA(Antinuclear antibody) Uric Acid Synovial fluid examination Synovial biopsy X-rays CT MRI Isotopic scanning DEXA (Dual Energy x-ray absorpmetry)	PSY-GUD	MK	SH	CBL,XRay, CD, LRI,D_BED	P-VIVA,P-EXAM,P-PRF,C-INT	F&S	III	

**Table 4a: List of Practical**

S.No	Name of practical	Term	Activity	Practical hrs
1	روداد مریض <b>Rūdād-e-Marīz (History Taking)</b>	1	<p>a) Patient Profile عمومی استفسارات</p> <p>b) Chief Complaint موجودہ اہم شکایات</p> <p>c) History of Present Illness روداد مرض حالیہ</p> <p>d) History of Past Illness روداد سابقہ</p> <p>e) Treatment and Surgical History روداد علاج و جراحی</p> <p>f) Family History روداد خاندانی</p> <p>g) Personal and Socio-economic History ذاتی، سماجی اور معاشی روداد</p> <p>h) Obstetric &amp; Gynecological History روداد قبالت و نسوان</p>	8
2	امتحان مریض عمومی <b>Imteḥān-e-Marīz Umūmī (General Examination of the Patient)</b>	1	<p>a) General appearance عمومی ظواہر</p> <p>b) Facial appearance/ Facies وجہی ظواہر</p> <p>c) Built &amp; Nutrition جسمانی بناوٹ و تغذیہ</p> <p>d) Gait/ Stance/ Posture/ Decubitus) ظاہری ہمیت</p> <p>e) External Manifestations of Diseases- Pallor, Icterus, Cyanosis, Oedema etc. امراض کی ظاہری علامات: پیلاپین، یرقان، نیگرونی، تہنج وغیرہ</p> <p>f) Jugular venous pressure ضغط الوریڈ الوداجی</p> <p>g) Examination of Nails امتحان ناخون</p> <p>h) Examination of Lymph nodes امتحان غدولفاوی</p> <p>i) Examination of Skin امتحان جلد</p> <p>j) Examination of Eyes, Ear, Nose and Throat امتحان چشم، اذن، انف و حلق</p> <p>k) Assessment of Vitals- Pulse,</p>	18

			Blood Pressure, Temperature and Respiratory Rate نبض، ضغط الدم، درجہ: حیوی نشانیوں حرارت اور رفتار تنفس	
3	استفسار و امتحان نظام ہضم Imteḥān-e-Nizām-e-Hazm (Examination of Digestive System)	1	a) امتحان بالنظر Inspection b) امتحان باللمس Palpation c) امتحان بالقرع Percussion d) امتحان بالسمع Auscultation	16
4	امتحان نظام تنفس Imteḥān-e-Nizām-e-Tanaffus (Examination of Respiratory System)	2	a) امتحان بالنظر Inspection b) امتحان باللمس Palpation c) امتحان بالقرع Percussion d) امتحان بالسمع Auscultation	16
5	امتحان نظام قلب و عروق Imteḥān-e-Nizām-e-Qalb wa urūq (Examination of Cardiovascular System)	2	a) امتحان بالنظر Inspection b) امتحان باللمس Palpation c) امتحان بالقرع Percussion d) امتحان بالسمع Auscultation	16
6	نبض Nabz	2	a) امتحان نبض: مقامات و اجناس نبض (Assessment of Pulse (Sites and Indicators) b) نبض مرکب Compound Pulses c) Specific pulses of Various diseases مختلف امراض کی نبضیں	10
7	امتحان نظام بول و تناسل Imteḥān-e-Nizām-e-Baul wa Tanāsul (Examination of Genito-Urinary system)	2	a) امتحان بالنظر Inspection b) امتحان باللمس Palpation c) امتحان بالقرع Percussion d) امتحان بالسمع Auscultation	10
8	امتحان نظام عصبی Imteḥān-e-Nizām-e-	3	a) Examination of Higher functions دماغ کے اعلیٰ انفعال کا امتحان	25

	<b>Aşabi (Examination of Nervous System)</b>		<p>b) Examination of Unconscious patient سبے ہوش مریض کا امتحان</p> <p>c) Examination of cranium and spine جمجہ اور عمود الفقری کا امتحان</p> <p>d) Examination of cranial nerves اعصاب جمجہی کا امتحان</p> <p>e) Examination of motor functions افعال حرکیہ کا امتحان</p> <p>f) Examination of sensory functions افعال حسیہ کا امتحان</p> <p>g) Examination of reflexes حرکات انعکاسی کا امتحان</p> <p>h) Examination of Trophic changes ٹروپھک تغیرات کا امتحان</p> <p>i) Examination of cerebellar functions افعال کا امتحان منجینی</p> <p>j) Examination of Psychiatric patients نفسیاتی مریض کا امتحان</p>	
9	<b>امتحان نظام عظام و مفاصل</b> <b>Imteḥān-e-Nizām-e-Izam wa Mafāsil</b> <b>(Examination of Musculo-Skeletal System)</b>	3	<p>a) Inspection امتحان بالنظر</p> <p>b) Palpation امتحان باللس</p> <p>c) Examination of movement of Joints حرکات مفصلیہ کا امتحان</p> <p>d) Examination of Spine عمود الفقری کا امتحان</p>	7
<b>Total Hrs</b>				126



## Activity

CO	Topic name	Activity Details	Hours#
CO5	Usule Ilāj Nizāmi (Systemic Principles of Treatment)	<p><b>Brain Storming:</b> Small groups of students may be given a diagnosis on spot and asked to formulate a "Principles of Treatment" for that and then allow each group to justify that before all groups.</p> <p><b>Making of Charts:</b> Small groups of students may be assigned chart-making on the Principles of Treatment for the diseases of a specific system with innovative ideas of presentation.</p>	4
CO1,CO2,CO3,CO4	Umumi Ta'aruf (General introduction)	<p><b>Debate:</b> Students may be allowed to Debate on "Introduction of the subject Sareeriyat wa Uşūle Ilāj and its significance in teaching and training of Unani Undergraduates"</p> <p><b>Making charts:</b> Small groups of students may be asked for Chart-making with innovative ideas to represent this subject</p>	2
CO2	Imteḥān-e-Nizām-e-Baul wa Tanāsul (History and Examination of Genito-urinary system)	<p><b>Peer learning:</b> Few students who have grasped well the history taking of patients of this system may be allowed to demonstrate to their peers.</p> <p><b>CBL (Case Based Learning):</b> Demonstration of History taking and Examination of a specific case of this system.</p> <p><b>Discussions:</b> After completing this chapter, students should be allowed to have discussions on their confusion regarding History, examination, investigation, and principles of treatment. First, other students should be allowed to resolve, then concluded by the teacher.</p>	5
CO2	Imteḥān-e-Nizām-e-Aşabi (Examination of Nervous System)	<p><b>Practical Roleplay:</b> Roleplay of an unconscious patient, the responses of the patient to different stimuli, to assess different levels of consciousness.</p> <p><b>Practical enact:</b> Practical performance/ demonstration of different Gaits.</p> <p><b>CBL (Case Based Learning):</b> Specific cases related to the Nervous system</p>	10

		<p>should be demonstrated to the students, like different signs of Parkinson's disease.</p> <p><b>Edutainment:</b> Eliciting different Reflexes on Students.</p>	
CO2,CO6	Imteḥān-e-Marīz Umūmi (General Examination of the Patient)	<p><b>Kinesthetic Learning:</b> Examination of Pallor and Icterus among classmates and assessing the level of Haemoglobin and Bilirubin respectively.</p> <p><b>Simulation:</b> Simulation of Measurement of Blood Pressure sticking to the proper guidelines and describing each step.</p> <p><b>BMI Calculation:</b> BMI Calculation of and categorizing into different categories.</p>	10
CO3	Baul wa Barāz (Urine and Stool)	<p><b>Making Samples:</b> Sample preparation of different colours of Urine, by adding colours into the water and designating them to the specific types of Urine.</p>	2
CO1,CO2,CO3,CO6	Nabz (Pulse)	<p><b>Mini CEX (Mini Clinical Examination):</b> Examination of Pulse of patients with specific disease and explanation in terms of different indicators of pulse assessment.</p> <p><b>Case diagnosis:</b> Case diagnosis on the basis of Pulse examination like Heart block (Arrhythmia), Hypertension, Hypotension.</p>	5
CO2,CO3	Imteḥān-e-Nizāme Izām wa Mafāsīl (Examination of Musculo-skeletal System)	<p><b>Mini CEX:</b> Demonstration of Gait in Patients of Hip Osteoarthritis and Knee Osteoarthritis.</p> <p><b>Case diagnosis:</b> Eliciting SLR (Straight Leg Raising Test) and Lasegue's test in the patient of Sciatica.</p>	2
CO2,CO4	Imteḥān-e-Nizāme Hazm (Examination of Digestive System)	<p><b>Practical Performance:</b> Practical performance of Differential Diagnosis of Generalized abdominal distension</p> <p><b>Making Chart:</b> Chartmaking for the Surgical Scars and Proper labeling of them.</p>	5
CO2,CO4	Imteḥān-e-Nizāme Tanaffus (Examination of Respiratory System)	<p><b>Making of Charts:</b> Chartmaking for different appearance of X-rays in different diseases.</p> <p><b>Demonstration bedside and Peer learning:</b> Auscultation of Different Normal and Abnormal</p>	5

		breath sounds guided by peers. <b>X-rays Identification Quiz:</b> Quiz on identification of X-rays of different diseases	
CO2,CO4	Imteḥān-e-Nizāme Qalb wa Urūq (Examination of Cardiovascular System)	<b>Audio Clips:</b> Audio clips of different heart sounds may be played in the classroom to make them aware of these. <b>Practical Performance:</b> Procedure of ECG and interpretation of ECG.	5
<b># Hours indicated are included in calculations of Table 3 and 4</b>			

**Table 5- Teaching learning method**

Sr No	Teaching learning methods in the course	No of Activities
1	Lecture	234
2	Lecture with Power point presentation	112
3	Lecture & Group Discussion	32
4	Lecture with Video clips	46
5	Discussions	75
6	Brainstorming	8
7	Inquiry-Based Learning	5
8	PBL	13
9	CBL	16
10	Flipped classroom	10
11	Blended Learning	1
12	Edutainment	3
13	Simulation	1
14	Role plays	3
15	Self-directed learning	1
16	Problem solving method	1
17	Library Session	1
18	Peer learning	10
19	real life experience	3
20	Presentations	2
21	X ray identification	1
22	Case diagnosis	1
23	Demonstration	3

These are overall teaching learning methods listed in Table 3 and 4. Teachers can select the best possible method amongst the given methods as per objective, available time etc.

### 6 A-Number of Papers and Marks Distribution

Subject Code	Papers	Theory	Practical/ Clinical Assessment					Grand Total
			Practical	Viva	Elective	IA	Sub Total	
UNIUG-SUI	1	100	100	20	10	20	150	250

### 6 B - Scheme of Assessment (formative and Summative)

PROFESSIONAL COURSE	DURATION OF PROFESSIONAL COURSE		
	First Term (1-6 Months)	Second Term (7-12 Months)	Third Term (13-18 Months)
Second	3 PA & First TT	3 PA & Second TT	3 PA & UE**
<p>PA: Periodical Assessment; TT: Term Test; UE: University Examinations.  ** University Examination shall be on entire syllabus</p>			

### 6 C - Calculation Method for Internal Assessment Marks (20 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
<b>First</b>						<b>D+E</b>	<b>D+E /2</b>
<b>Second</b>						<b>D+E</b>	<b>D+E /2</b>
<b>Third</b>					NIL		<b>D</b>
<b>Final IA</b>	<b>Average of Three Term Assessment Marks as Shown in 'G' Column</b>						
	* 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 & I4.

## 6 E Question Paper Pattern

<b>II PROFESSIONAL BUMS EXAMINATIONS</b>				
<b>UNIUG-SUI</b>				
<b>PAPER-1</b>				
Time: 3 Hours Maximum Marks: <b>100</b>				
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
				<b>100</b>

## 6 F Distribution of theory examination

Sr.No	A List of Topics	B Term	C Marks	MCQ (1 Mark)	SAQ (5 Marks)	LAQ (10 Marks)
1	عمومی تعارف Umūmī Ta'ruf (General introduction)	1	8	Yes	Yes	No
2	روداد مریض Rūdād-e-Marīz (History Taking)	1		Yes	Yes	No
3	امتحان مریض عمومی Imteḥān-e-Marīz Umūmī (General Examination of the Patient)	1	22	Yes	Yes	Yes
4	استفسار و امتحان نظام ہضم Istefsār wa Imteḥān-e-Nizām-i-Hazm (History and Examination of Digestive System)	1		Yes	Yes	Yes
5	استفسار و امتحان نظام تنفس Istefsār wa Imteḥān-e-Nizām-e-Tanaffus (History and Examination of Respiratory System)	2		Yes	Yes	Yes

	Respiration and it's different types)		22			
6	استفسار و امتحان نظام قلب و عروق Istefsār wa Imteḥān-e-Nizām-e-Qalb wa Urūq (History and Examination of Cardiovascular System)	2		Yes	Yes	Yes
7	نبض Nabz (Pulse)	2		Yes	Yes	No
8	استفسار و امتحان نظام بول و تناسل Istefsār wa Imteḥān-e-Nizām-e- Baul wa Tanāsul (History and Examination of Genito-urinary system)	2	18	Yes	Yes	No
9	بول و براز Baul wa Barāz (Urine and Stool)	2		Yes	Yes	No
10	استفسار و امتحان نظام عصبي Istefsār wa Imteḥān-e-Nizām-e- Aṣabi (History and Examination of Nervous System)	3	13	Yes	Yes	Yes
11	استفسار و امتحان نظام عظام و مفاصل Istefsār wa Imteḥān-e-Nizām-e-Izām wa Mafāṣil (History and Examination of Musculo- skeletal System)	3		Yes	Yes	No
12	اصول علاج عمومي Uṣūle Ilāj Umūmi (General Principles of Treatment)	3	17	Yes	Yes	No
13	اصول علاج نظامي Uṣūle Ilāj Nizāmi (Systemic Principles of Treatment)	3		Yes	Yes	Yes
<b>Total Marks</b>			<b>100</b>			

## 6 G Blue print of paper I

Paper No:1		
Question No	Type of Question	Question Paper Format
Q1	<p><b>Multiple choice Questions</b> 20 Questions 1 mark each All compulsory</p> <p>Must know part - 15 MCQ Desirable to know - 3 MCQ Nice to know part - 2 MCQ</p>	<ol style="list-style-type: none"> <li>1. عمومی تعارف Umūmī Ta'ruf (General introduction)</li> <li>2. روداد مریض Rūdād-e-Marīz (History Taking)</li> <li>3. روداد مریض Rūdād-e-Marīz (History Taking)</li> <li>4. امتحان مریض عمومی Imteḥān-e-Marīz Umūmī (General Examination of the Patient)</li> <li>5. استفسار و امتحان نظام ہضم Istefsār wa Imteḥān-e-Nizām-i-Hazm (History and Examination of Digestive System)</li> <li>6. استفسار و امتحان نظام تنفس Istefsār wa Imteḥān-e-Nizām-e-Tanaffus (History and Examination of Respiratory System)</li> <li>7. استفسار و امتحان نظام تنفس Istefsār wa Imteḥān-e-Nizām-e-Tanaffus (History and Examination of Respiratory System)</li> <li>8. استفسار و امتحان نظام تنفس Istefsār wa Imteḥān-e-Nizām-e-Tanaffus (History and Examination of Respiratory System)</li> <li>9. استفسار و امتحان نظام قلب و عروق Istefsār wa Imteḥān-e-Nizām-e-Qalb wa Urūq (History and Examination of Cardiovascular System)</li> <li>10. استفسار و امتحان نظام قلب و عروق Istefsār wa Imteḥān-e-Nizām-e-Qalb wa Urūq (History and Examination of Cardiovascular System)</li> <li>11. استفسار و امتحان نظام قلب و عروق Istefsār wa Imteḥān-e-Nizām-e-Qalb wa Urūq (History and Examination of Cardiovascular System)</li> <li>12. استفسار و امتحان نظام قلب و عروق Istefsār wa Imteḥān-e-Nizām-e-Qalb wa Urūq (History and Examination of Cardiovascular System)</li> <li>13. نبض Nabz (Pulse)</li> <li>14. استفسار و امتحان نظام بول و تناسل Istefsār wa Imteḥān-e-Nizām-e-Baul wa Tanāsul (History and Examination of Genito-urinary system)</li> <li>15. بول و براز Baul wa Barāz (Urine and Stool)</li> <li>16. استفسار و امتحان نظام عصبی</li> </ol>



		<p>Istefsār wa Imteḥān-e-Nizām-e-Aṣabi (History and Examination of Nervous System)</p> <p>17. استفسار و امتحان نظام عصبی Istefsār wa Imteḥān-e-Nizām-e-Aṣabi (History and Examination of Nervous System)</p> <p>18. استفسار و امتحان نظام عظام و مفاصل Istefsār wa Imteḥān-e-Nizām-e-Izām wa Mafāṣil (History and Examination of Musculo-skeletal System)</p> <p>19. اصول علاج عمومی Uṣūle Ilāj Umūmi (General Principles of Treatment)</p> <p>20. اصول علاج نظامی Uṣūle Ilāj Nizāmi (Systemic Principles of Treatment)</p>
Q2	<p><b>Short answer Questions</b> Eight Questions 5 Marks Each All compulsory</p> <p>Must know - 7 SAQ Desirable to know - 1 SAQ No questions on Nice to know</p>	<p>1. عمومی تعارف Umūmī Ta'ruf (General introduction) / روداد مریض Rūdād-e-Marīz (History Taking)</p> <p>2. امتحان مریض عمومی Imteḥān-e-Marīz Umūmī (General Examination of the Patient)</p> <p>3. استفسار و امتحان نظام ہضم Istefsār wa Imteḥān-e-Nizām-i-Hazm (History and Examination of Digestive System)</p> <p>4. استفسار و امتحان نظام قلب و عروق Istefsār wa Imteḥān-e-Nizām-e-Qalb wa Urūq (History and Examination of Cardiovascular System) / استفسار و امتحان نظام تنفس Istefsār wa Imteḥān-e-Nizām-e-Tanaffus (History and Examination of Respiratory System)</p> <p>5. نبض Nabz (Pulse)</p> <p>6. استفسار و امتحان نظام بول و تناسل Istefsār wa Imteḥān-e-Nizām-e-Baul wa Tanāsul (History and Examination of Genito-urinary system)</p> <p>7. بول و براز Baul wa Barāz (Urine and Stool)</p> <p>8. اصول علاج نظامی Uṣūle Ilāj Nizāmi (Systemic Principles of Treatment) / اصول علاج عمومی Uṣūle Ilāj Umūmi (General Principles of Treatment)</p>
Q3	<p><b>Long answer Questions</b> Four Questions 10 marks each All compulsory</p> <p>All questions on must know. No Questions on Nice to know and Desirable to know</p>	<p>1. امتحان مریض عمومی Imteḥān-e-Marīz Umūmī (General Examination of the Patient) / استفسار و امتحان نظام ہضم Istefsār wa Imteḥān-e-Nizām-i-Hazm (History and Examination of Digestive System)</p>

		<p>2. استفسار و امتحان نظام قلب و عروق Istefsār wa Imteḥān-e-Nizām-e-Qalb wa Urūq (History and Examination of Cardiovascular System) / استفسار و امتحان نظام تنفس Istefsār wa Imteḥān-e-Nizām-e-Tanaffus (History and Examination of Respiratory System)</p> <p>3. استفسار و امتحان نظام عصبی Istefsār wa Imteḥān-e-Nizām-e-Aṣabi (History and Examination of Nervous System)</p> <p>4. اصول علاج نظامی Uṣūle Ilāj Nizāmi (Systemic Principles of Treatment)</p>
--	--	--

### 6 H Distribution of Practical Exam

S.No	Heads	Marks
1	History taking	05
2	General examination of the patient	15
3	Examination of digestive system	12
4	Examination of respiratory system	12
5	Examination of cardiovascular system	12
6	Examination of genitourinary system	08
7	Examination of nervous system	12
8	Examination of musculoskeletal system	04
9	Examination of Vitals	10
10	Record Book	10
<b>Total Marks</b>		<b>100</b>

**References Books/ Resources**

S.No	Book	Resources
1	Al Qanoon Fit Tibb	Ibn Sina, , Urdu translation by Ghulam Hassnain Kantoori, Idara Kitab-ul-Shifa, 2021
2	AL Qanoon Fil Tib (English translation)	IbnSina, , English translation by Jamia Hamdard, New Delhi
3	Kulliyate Qanoon	Ibne Sina, urdu translation by Hakeem Kabeeruddin, Aijaz Publishing house, New Delhi, 2006
4	Al-Ikseer	Mohammad Kabeeruddin, (Al Ikseer --Abstract of Ikseer-e-Azam in urdu), Idara Kitab-ul-Shifa, New Delhi
5	Kitab-un-Nabz	Hakeem Ajmal Khan, Aijaz Publishing House, New Delhi, 2002
6	Uşūle Tibb	Kamaluddin Hussain Hamdani, National Council for Promotion of Urdu Language, 1920
7	Tashkhees-e-Amrāz	Mohammad Akhtar Siddiqui, Maktaba Faize Aam, New Delhi, 2005.
8	Kitabut Tashkhees	Mohd. Anwar Siddiqui, Fine Offset works, New Delhi, 2003.
9	Hutchison's Clinical Methods	Michael Glynn, William M Drake, Elsevier, 2023
10	Kulliyate Nabz wa Baul wa Barāz	Syed Habib-ur-Rehman, National Council for Promotion of Urdu Language, New Delhi, 1999
11	Macleod's Clinical Examination	Graham Douglas, Fiona Nicol, Colin Robertson, Churchill Livingstone, Elsevier
12	Bedside Clinics in Medicine	Arun Kumar Kundu, Academic Publishers, 2011.
13	PJ Mehta's Practical Medicine	Nihar P Mehta, SP Mehta, Shashank Joshi

## Abbreviations

### Domains

S.No	Short form	Description
1	CK	Cognitive/Knowledge
2	CC	Cognitive/Comprehension
3	CAP	Cognitive/Application
4	CAN	Cognitive/Analysis
5	CS	Cognitive/Synthesis
6	CE	Cognitive/Evaluation
7	PSY-SET	Psychomotor/Set
8	PSY-GUD	Psychomotor/Guided response
9	PSY-MEC	Psychomotor/Mechanism
10	PSY-ADT	Psychomotor Adaptation
11	PSY-ORG	Psychomotor/Origination
12	AFT-REC	Affective/ Receiving
13	AFT-RES	Affective/Responding
14	AFT-VAL	Affective/Valuing
15	AFT-SET	Affective/Organization
16	AFT-CHR	Affective/ characterization

## Teaching Learning Methods

S.No	Short form	Description
1	L	Lecture
2	L&PPT	Lecture with Power point presentation
3	L&GD	Lecture & Group Discussion
4	L_VC	Lecture with Video clips
5	DIS	Discussions
6	BS	Brainstorming
7	IBL	Inquiry-Based Learning
8	PBL	PBL
9	CBL	CBL
10	PrBL	Project-Based Learning
11	TBL	TBL
12	TPW	Team project work
13	FC	Flipped classroom
14	BL	Blended Learning
15	EDU	Edutainment
16	ML	Mobile learning
17	ECE	ECE
18	SIM	Simulation
19	RP	Role plays
20	SDL	Self-directed learning
21	PSM	Problem solving method
22	KL	Kinesthetic Learning
23	W	Workshops
24	GBL	Game-Based Learning
25	D-M	Demo on Model
26	LS	Library Session

27	PL	Peer learning
28	RLE	Real life experience
29	REC	Recitation
30	SY	Symposium
31	TUT	Tutorial
32	PER	Presentations
33	PT	Practical
34	X-Ray	X ray identification
35	CD	Case diagnosis
36	LRI	Lab report interpretation
37	DA	Drug analysis
38	D	Demonstration
39	D_BED	Demonstration bedside
40	D_L	Demonstration Lab
41	DG	Demonstration Garden
42	FV	Field visit
43	PRA	Practical

### Assessments

S.No	Short form	Description
1	T-EMI	Theory extended matching item
2	T- EW	Theory Essay writing
3	T- MEQs	Theory MEQs –
4	T-CRQs	Theory CRQs-
5	T-CS	Theory case study-
6	T-OBT	Theory open book test –
7	P-VIVA	Practical Viva
8	P-REC	Practical Recitation
9	P-EXAM	Practical exam

10	PRN	Presentation
11	P-PRF	Practical Performance
12	P-SUR	Practical Survey
13	P-EN	Practical enact
14	P-RP	Practical Role play
15	P-MOD	Practical Model
16	P-POS	Practical Poster
17	P-CASE	Practical Case taking
18	P-ID	Practical identification
19	P-PS	Practical Problem solving
20	QZ	Quiz
21	PUZ	Puzzles
22	CL-PR	Class Presentation,
23	DEB	Debate
24	WP	Word puzzle
25	O-QZ	Online quiz
26	O-GAME	Online game-based assessment
27	M-MOD	Making of Model
28	M-CHT	Making of Charts
29	M-POS	Making of Posters
30	C-INT	Conducting interview
31	INT	Interactions
32	CR-RED	Critical reading papers
33	CR-W	Creativity Writing
34	C-VC	Clinical video cases,
35	SP	Simulated patients
36	PM	Patient management problems
37	CHK	Checklists
38	OSCE	OSCE
39	OSPE	OSPE,

40	Mini-CEX	Mini-CEX
41	DOPS	DOPS
42	CWS	CWS
43	RS	Rating scales
44	RK	Record keeping
45	COM	Compilations
46	Portfolios	Portfolios
47	Log book	Log book
48	TR	Trainers report
49	SA	Self-assessment
50	PA	Peer assessment
51	360D	360-degree evaluation
52	TT-Theory	Theory
53	PP-Practical	Practical
54	VV-Viva	Viva