

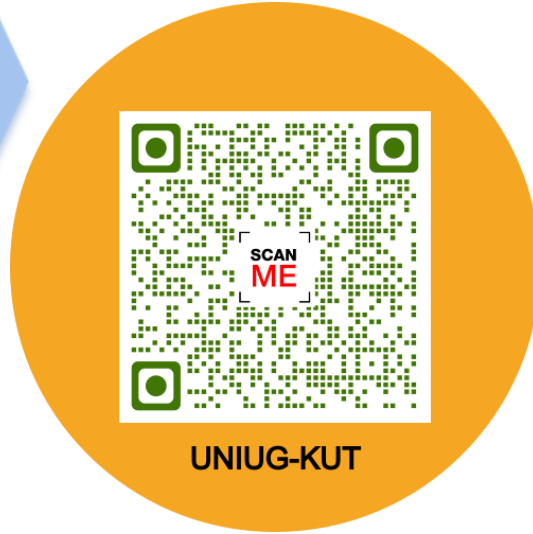
**COURSE CURRICULUM FOR FIRST PROFESSIONAL BUMS
(PRESCRIBED BY NCISM)**

**KULLIYAT UMOORE TABIYA
SUBJECT CODE: UNIUG-KUT
BASIC PRINCIPLES OF UNANI MEDICINE**

**(Applicable from 2021-2022 batch onwards for five 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

I professional BUMS

Subject Code: UNIUG-KUT

Kulliyat Umoore Tabiya

KEY POINTS

Total number of Teaching hours: 210			
Lecture hours (LH) - Theory		70 Hours	70 Hours (LH)
Paper I	70 Hours		
Non-Lecture hours (NLH) – Theory		42 Hours	140 Hours (NLH)
Paper I	42 Hours		
Non-Lecture hours (NLH) - Practical		98 Hours	

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

Preface

Kulliyat Umoore Ṭabiya is a fundamental subject which provides the basis for the study of Unani medicine as it deals with the governing principles of this medicine. These principles distinguish Unani medicine from other systems of medicine. This subject starts with the description of the existence of beings for which seven *Umoor* (factors) are considered essential viz. *Arkaan, Mizaj, Akhlat, Aaza, Arwah, Quwa* and *Afaal*. Further, it discusses bio- mineral diversity and structural-functional relationship. The students will also learn about the genesis and functions of human organs and their maintenance discussed under the concept of humours and *Tabiat*. One of the important topics included in this subject is the cause-and-effect relationship between various biological functions and environment. At last normal body functions are described as indicators of both health and disease.

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First BUMS

Course Code and Name of Course

	Course code	Name of Course
	UNIUG-KUT	Kulliyat Umoore Ṭabiya (Basic Principles of Unani Medicine)

Table 1- Course outcomes and matched Program outcomes

SR1 CO No	A1 Course Outcome (CO) UNIUG-KUT At the end of the course UNIUG-KUT, the student should be able to-	B1 Course Outcome matched with program outcomes.
1	Elucidate طب (<i>Tibb</i>) as “the branch of knowledge in which the functions and properties of human body are studied in order to preserve the health and cure the disease with respect to اسباب وجود (<i>Asbāb-i-Wujūd</i>).	PO1
2	Understand and describe the role of طبيعت (<i>Ṭabī‘at</i>), with its extended dimensions and capabilities.	PO1
3	Discuss and demonstrate the concept of ارکان (<i>Arkān</i>) leading towards the formation of موالید ثلاثه (<i>Mawalīd-i-Thalātha</i>).	PO1, PO2, PO3
4	Understand and evince the concept of مزاج (<i>Mizāj</i>), and its clinical application.	PO1, PO2, PO3
5	Comprehend and demonstrate the concept of اخلاط (<i>Akhlāt</i>) and its importance with respect to the diagnosis and treatment.	PO1, PO2, PO3
6	Describe and demonstrate the course of the اعضاء (<i>A‘dā‘</i>) with respect to their origin, formation, distinction and functions.	PO1, PO2, PO3
7	Interpret the concept of ارواح (<i>Arwāḥ</i>) and their role in maintenance of health along with evidence based dynamism of حرارت غریزیه (<i>Ḥarārat Gharīziyya</i>) [the chief common tool for all قوی (<i>Quwā</i>)].	PO1
8	Explain the concept of قوی (<i>Quwā</i>) and افعال (<i>Af‘al</i>) with their classifications.	PO1

Table 2: Contents of Kulliyat Umoore Tabiya - (Theory)

	A2 List of Topics UNIUG-KUT	B2 Term	C2 Marks	D2 Lecture hours	E2 Non-Lecture hours
1	مبحث عام (Mabhas-i-‘Āam)	I	10	5	7
	<p>علم طب: موضوع، غرض و غایت اور اقسام (<i>‘Ilm Ṭibb, Mawḍū, Gha'raḍ-o-ghāyat and its types</i>)</p> <p>a) اسباب وجود انسانی مع اقسام (<i>Asbāb-i-Wujūd Insani and its classification</i>)</p> <p>b) امور طبیعیہ: اہمیت اور اقسام (<i>Umūr Ṭabī‘iyya, importance and classification</i>)</p> <p>c) طبیعت: تفہیم، اہمیت، آلات اور مناعت سے اس کا تعلق (<i>Ṭabī‘at: understanding, importance, tools and its relation with immunity</i>)</p> <p>d) حرارت غریزیہ: تصور، تفہیم، افعال، رطوبت غریزیہ، حرارت غریبہ اور <i>عنفونت (Harārat Gharīziyya; concept, understandings, functions, Ruṭūbat Gharīziyya, Ḥarārat Gharība and Ufūnat)</i></p>				
2	عناصر/ارکان (Arkān/ ‘Anāṣir)	I	10	5	4
	<p>ارکان/عناصر (<i>Arkān/ ‘Anāṣir</i>)</p> <p>a) ارکان اربعہ کا تصور (concept of <i>Arkān Arba ‘a</i>)</p> <p>b) ارکان، عناصر اور اسطقتات کے مابین فرق (<i>difference between Arkān, ‘Anāṣir and Uṣṭuqussāt</i>)</p> <p>c) کیفیات اربعہ (<i>Kaifiyāt Arba ‘a</i>)</p> <p>d) ارکان کی اقسام (Types of <i>Arkān</i>)</p> <p>e) عناصر انسانیہ کی جدید توضیح (Theorem of structural peculiarity of modern science)</p> <p>f) عناصر کی اطلاقی حیثیت (Clinical application of <i>‘Anāṣir</i> in case of their excess and deficiency)</p>				

3	مزاج/کیفیت (Mizāj/ Kaifiyāt)	II	20	15	8
	<p>a) مزاج: تعریف، توضیح، اہمیت اور اقسام (Mizāj: Definition, explanation, significance and types)</p> <p>b) مزاج معتدل (Mizāj Mu‘tadil)</p> <p>c) مزاج معتدل طبی (Mizāj Mu‘tadil Ṭibbī)</p> <p>d) مزاج غیر معتدل (Mizāj Ghayr Mu‘tadil)</p> <p>e) امزجہ اعضاء (Amjiza A‘dā‘)</p> <p>f) مزاج انسانی اور اجناس عشرہ (Mizāj Insānī and Ajnās ‘Ashara)</p> <p>g) امزجہ اسنان (Amzija Asnān)</p> <p>h) مزاج اجناس (Mizāj Ajnās)</p> <p>i) مزاج اقلیم (Mizāj Iqlīm)</p> <p>j) تشخیص مرض اور مزاج (Tashkhīs-i-Maraḍ and Mizāj)</p> <p>k) تجویز غذا، دواء بہ اعتبار مزاج (Recommendation of diets, drugs on the basis of Mizāj)</p>				
4	اخلاط (Akhlāt)	II	15	15	6
	<p>a) اخلاط: تعریف، تصور و تفہیم و اقسام (Akhlāt: definition, concept and understanding and types)</p> <p>b) رطوبت اولی و ثانیہ (Ruṭūbat Uoola and Thāniya)</p> <p>c) خلط دم: تعریف و توضیح مع دلائل، اہمیت، اقسام اور اطلاقی حیثیت (Khilṭ Dam: definition, explanation, importance, types and application)</p> <p>d) خلط بلغم: تعریف و توضیح مع دلائل، اہمیت، اقسام اور اطلاقی حیثیت (Khilṭ Balgham: definition, explanation, importance, types and application)</p> <p>e) خلط صفراء: تعریف و توضیح مع دلائل، اہمیت، اقسام اور اطلاقی حیثیت (Khilṭ Ṣafra: definition, explanation, importance, types and application)</p> <p>f) خلط سوداء: تعریف و توضیح مع دلائل، اہمیت، اقسام اور اطلاقی حیثیت (Khilṭ Suda‘: definition, explanation, importance, types and application)</p>				

	<i>Sawdā: definition, explanation, importance, types and application</i> g) اربیت اخلاط کے دلائل (Justification of <i>Arb 'iat Akhlāṭ</i>)				
5	اعضاء (<i>A 'dā</i>)	II	10	5	4
	a) اعضاء کی توضیح اور اقسام (<i>A 'dā</i> : Description and their classification) b) اعضاء مفردہ کی تعریف، اقسام اور عدد اعضاء میں اطباء کی آراء (Definition of <i>A 'dā Mufrada</i> , classification, opinion of different physicians) c) اعضاء مرکبہ کی تعریف اور اقسام (Definition of <i>A 'dā Murakkaba</i> with their classification) d) اعضاء ریسہ (<i>A 'dā Ra 'īsa</i>) e) اعضاء خادمہ (<i>A 'dā Khādima</i>) f) عضو معطی و عضو قابل (<i>'Uḍw Mu 'ī and 'Uḍw Qābil</i>)				
6	ارواح (<i>Arwāh</i>)	III	10	5	3
	a) ارواح کی تعریف اور اقسام (Definition of <i>Arwāh</i> and their classification) b) اطباء کی نظر میں روح کا تصور (Concept of <i>Rūh</i> according to different Unani Scholars) c) وظائف روح اور مسالک (Functions of <i>Arwāh</i> and their <i>Masālik</i>) d) تنقیہ اور تزویج (<i>Tanqiya</i> and <i>Tarwīh</i>) e) روح کا کار نکاز مختلف اعضاء میں (Concentration of <i>Rūh</i> in different organs)				
7	قوی (<i>Quwā</i>)	III	20	15	9
	a) قوی کی تعریف اقسام اور وظائف (Definition of <i>Quwā</i> with their classification and functions)				

	<p>b) قوی انسانیہ: تعریف مع اقسام، وظائف و عوارضات (<i>Quwā Nafsāniyya</i>: definition, classification, functions and complications)</p> <p>c) قوی حیوانیہ: تعریف مع اقسام، وظائف و عوارضات (<i>Quwā Haywāniyya</i>: definition, classification, functions and complications)</p> <p>d) قوی طبیعیہ: تعریف مع اقسام و وظائف (<i>Quwā Tabī'iyya</i>: definition, classification and functions)</p> <p>e) قوی تناسلیہ: تعریف اقسام و عوارضات (<i>Quwā Tanāsuliyya</i>: definition, classification, and complications)</p> <p>f) افعال کی تقسیم بحیثیت قوی (Classification of the <i>Af'āl</i> (Functions) according to <i>Quwā</i>)</p> <p>g) قوی میں باہمی اشتراک اور طبیعت کا کردار (Association amongst <i>Quwā</i> and the role of <i>Tabī'at</i>)</p>				
8	افعال (<i>Af'āl</i>)	III	5	5	1
	<p>a) افعال کی تعریف اور اقسام (Definition and classification of <i>Af'āl</i>)</p> <p>b) فعل مفرد (<i>Fi'l Mufrad</i>)</p> <p>c) فعل مرکب (<i>Fi'l Murakkab</i>)</p> <p>d) اعراض افعال (<i>A'rād Af'āl</i>)</p>				
Total				70	42

Note: *Arkān/ 'Anāṣir* (f) the theory of *Arkān* has been proposed for origin of life and existence of the body. Concurrently element theory in modern chemistry failed to express both. So, these cannot be considered equivalently since their contexts of expression are different. This topic would help student in comprehension of cellular structure and its components equivalently to whole body. In the similar way student can comprehend the involvement of *Arkān* as Building blockers.

Table 2: Contents of Kulliyat Umoore Tabiya - (Practical)

	A2 List of Topics UNIUG-KUT	B2 Term	C2 Marks	D2 Lecture hours	E2 Non-Lecture hours
1	<p>ارکان (<i>Arkān</i>)</p> <p>i. ارکان کا طبعی مقام (Natural position of <i>Arkān</i>)</p> <p>ii. ارکان کی تقسیم دوری جدول کی مدد سے (Classification of elements with the help of Periodic Table)</p> <p>عناصر انسانیہ کی مصوری پیش کش (<i>Schematic representation of 'Anāṣir Insāniyya</i>)</p>	I	20		12
2	<p>مزاج (<i>Mizāj</i>)</p> <p>i. اجناس عشرہ پر مبنی سوالات سے مزاج انسانی کی تعیین (Evaluation of <i>Mizāj Insānī</i> by questionnaire based on <i>Ajnās 'Ashara</i>)</p> <p>گلوب اور گراف کی مدد سے اقلیم کی توضیح (Demonstration of <i>Iqlīm</i> by globe and graph)</p>	II	20		23
3	<p>اخلاط (<i>Akhlāt</i>)</p> <p>i. اخلاط اربعہ کی توضیح (Demonstration of <i>Akhlāt Arba 'a</i>)</p> <p>غلبہ اخلاط کی تعیین (Evaluation of <i>Ghalaba-i- Akhlāt</i>)</p>	II	20		25
4	<p>اعضاء (<i>A 'dā</i>)</p> <p>i. اعضاء مفردہ و اعضاء مرکبہ کا تجزیہ (Assessment of <i>A 'dā ' Mufrada wa A 'dā ' Murakkaba</i>)</p> <p>مختلف اعضاء کے افعال (Functions of different organs)</p>	II	8		12
5	<p>ارواح (<i>Arwāh</i>)</p> <p>i) ارواح کی تقسیم (Classification of <i>Arwāh</i>)</p>	III	8		7
6	<p>قوی (<i>Quwā</i>)</p> <p>i. قوی کی تقسیم (Classification of <i>Quwā</i>)</p> <p>ii. قوت باصرہ کی تشریح (illustration of <i>Quwwat Bāṣira</i>)</p> <p>iii. قوت سامعہ کی تشریح (Illustration of <i>Quwwat Sāmi 'a</i>)</p>	III	20		15

	iv. کیفیات اربعہ کی تشریح (Illustration of <i>Kayfiyāt Arba‘a</i>) v. حواس خمسہ باطنہ (Illustration of <i>Ḥawās Khamsa Bāṭina</i>) vi. حس مشترک کی تشریح (Illustration of <i>Ḥiss Mushtarak</i>) vii. قوت واہمہ کی تشریح (Illustration of <i>Quwwat Wāhima</i>) viii. قوت حافظہ کی تشریح (Illustration of <i>Quwwat Ḥāfiẓa</i>)				
7	افعال (Af‘āl) i. افعال کی تقسیم (Classification of <i>Af‘āl</i>) ii. وظائف اعضاء (Functions of different organs)	III	4		4
Total					98

Table 3: Learning objectives of Kulliyat Umoore Tabiya UNIUG-KUT (Theory)

A3 Course outcome	B3 Learning Objective (At the end of the session, the Students should be able to)	C3 Domain/Sub	D3 Must to know/desi rable to know/Nic e to know	E3 Level Does/show s/ Knows how/ Knows	F3 T-L method	G3 Assessment	H3 Format ive /summ ative	I3 Term	J3 Integr ation
Topic 1- (Mabḥas-i-‘Ām (General discussion) (Lecture:- 5 hours, Non lecture 7 hours)									
a. ‘Ilm Ṭibb’ Mawḍū, Gha'raḍ-o Ghāyat and its types									
CO1	Define ‘Ilm Ṭibb	Cognitive/ comprehensi on	MK	Knows	Lecture	Written/ viva/open book test/project work	F&S	I	
CO1	Describe the Mawḍū (Subject)	Cognitive/ comprehensi on	MK	Knows	Lecture	Written/viv a/ open book test/project work	F&S	I	
CO1	Discuss Gha'raḍ-o Ghāyat (Objective) of Ṭibb	Cognitive/ comprehensi on	MK	Knows	Lecture	Written/viv a/ open book test/project work	F&S	I	
CO1	Enlist Aqsām Ṭibb Ma‘ Amthāl (Classification of Ṭibb along with their examples)	Cognitive/ comprehensi on	MK	Knows	Lecture/ Tutorial	Written/viv a/ open book test/project	F&S	I	

						work			
CO1	Define <i>Ṭibb Na'zri</i> and its importance	Cognitive/comprehension	MK	Knows	Lecture/seminar/workshop	Written/viva/assignment	F&S	I	
CO1	Define <i>Ṭibb 'Amali</i> and its application	Cognitive/recall	MK	Knows how	Lecture	Written/viva	F&S	I	
<i>b. Asbāb-i- Wujūd Insāni and its classification</i>									
CO1	Enlist types of <i>Asbāb-i- Wujūd Insāni</i>	Cognitive/comprehension	MK	Knows	Lecture	Written/viva/open book test/project work	F&S	I	
CO1	Discuss <i>Asbāb-i-Wujūd Insāni</i>	Cognitive/comprehension	MK	Knows	Lecture/seminar/workshop	Written/viva	F&S	I	
CO1	Define <i>Asbāb Māddiyya</i> significance and its relevance in present perspective	Cognitive/comprehension	MK	Knows	Lecture/tutorial	Written/viva/ open book test/project work	F&S	I	
CO1	Define <i>Asbāb Fā'ila</i> significance and its relevance in present perspective	Cognitive/comprehension	DK	Knows	Lecture/seminar/workshop	Written/viva/ open book test/project work	F&S	I	

CO1	Define <i>Asbāb Šūriyya</i> , significance and its relevance in present perspective	Cognitive/comprehension	DK	Knows	Lecture/seminar/workshop	Written/open book test/project work	F&S	I	
CO1	Define <i>Asbāb Tamāmiyya</i>	Cognitive/comprehension	DK	Knows	Lecture	Written/viva	F&S	I	
c. <i>Umūr Ṭabī'īyya</i>, importance and classification									
CO1	Define <i>Umūr Ṭabī'īyya</i> and their importance	Cognitive/comprehension	MK	Knows	Lecture/Tutorial	Written/viva/assignment	F&S	I	
CO2	Enlist the <i>Umūr Ṭabī'īyya</i>	Cognitive/comprehension	MK	Knows	Lecture	Written/viva	F&S	I	
d. <i>Ṭabī'at</i>: understanding, importance, tools, and immunity									
CO2	Define <i>Ṭabī'at</i> and its importance	Cognitive/comprehension	MK	Knows	Lecture/seminar/workshop	Written/viva/open book test/project work	F&S	I	
CO2	Distinguish the concepts/understanding of <i>Ṭabī'at</i> proposed by different Unani Scholars	Cognitive/comprehension	MK	Knows	Lecture/Jigsaw activity	Written/viva/open book test/project work	F&S	I	
CO2	Enlist <i>Āla Ṭabī'at</i> (Tools of physis)	Cognitive and recall	MK	Knows	Lecture	Written/viva	F&S	I	
CO2	Describe <i>Mana'at</i> (Immunity) and explain its relevance with understanding of <i>Ṭabī'at</i>	Cognitive/comprehension	MK	Knows	Lecture	Written/open book test/project	F&S	I	

						work			
e. <i>Ḥarārat Gharīziyya</i>; concept, understandings, functions, <i>Ruḥūbat Gharīziyya</i>, <i>Ḥarārat Gharība</i> and <i>Ufūnat</i>									
CO7	Explain the concept of <i>Ḥarārat Gharīziyya</i>	Cognitive/comprehension	MK	Knows	Lecture/group discussion	Written/open book test/project work	F&S	I	
CO7	Explain the functions of <i>Ḥarārat Gharīziyya</i> in the body	Cognitive/comprehension	DK	Knows	Lecture/group discussion	Written/Quiz/Puzzle	F&S	I	
CO7	Describe <i>Ruḥūbat Gharīziyya</i>	Cognitive/comprehension	MK	Knows	Lecture	Written/Assignment	F&S	I	
CO7	Describe the association between <i>Ruḥūbat Gharīziyya</i> and <i>Ḥarārat Gharīziyya</i>	Cognitive/comprehension	DK	Knows	Lecture	Written/open book test/project work	F&S	I	
CO7	Define <i>Ḥarārat Gharība</i> and its effect on the body	Cognitive/comprehension	DK	Knows	Lecture/group discussion	Written	F&S	I	
CO7	Explain the relationship between <i>Ḥarārat Gharība</i> and ' <i>Ufūnat</i>	Cognitive comprehension	NK	Knows	Lecture/group discussion	Written/Assignment	F	I	
Topic 2- (<i>Arkān/ 'Anāṣir</i>) (Lecture:- 5 hours, Non lecture 4 hours)									
a) <i>Arkān/ 'Anāṣir</i>									
CO3	Define <i>Arkān/ 'Anāṣir</i>	Cognitive comprehension	MK	Knows	Lecture	Written/viva	F&S	I	

		on							
b. (Concept of <i>Arkān Arba'a</i>)									
CO3	Explain and demonstrate the concept of <i>Arkān Arba'a</i> in detail	Cognitive/comprehension	MK	Knows	Lecture/group discussion	Written/open book test/project work	F&S	I	
c. <i>Arkān, 'Anāşir and Uştuquşşāt</i>									
CO3	Distinguish/ differentiate between the term of <i>Arkān, 'Anāşir</i> and <i>Uştuquşşāt</i>	Cognitive/Analysis	MK	Knows	Lecture	Written /viva/ Quiz/ Puzzle	F&S	I	
d. <i>Kayfiyāt Arba'a</i>									
CO3	Define <i>Kayfiyāt</i> and describe <i>Kayfiyāt Arba'a</i>	Cognitive/Analysis	MK	MK	Lecture/tutorial	Written /viva	F&S	I	
e. Types of <i>Arkān</i>									
CO3	Enlist <i>Arkān</i>	Cognitive comprehension	MK	Knows	Lecture	Written /viva/assignment	F&S	I	
CO3	Describe <i>Nār</i> (fire) as a constitutional element, its significance, and its natural position	Cognitive/comprehension	MK	Knows	Lecture/seminar/workshop	Written/open book test/project work	F&S	I	
CO3	Describe <i>Hawā</i> (air) as a constitutional element, its significance, and its natural position	Cognitive comprehension	MK	Knows	Lecture/seminar/workshop	Written open book test/project	F&S	I	

						work /			
CO3	Describe <i>Mā'</i> (water) as a constitutional element, its significance and its natural position	Cognitive/ comprehension	MK	Knows	Lecture/ seminar/ workshop	Written open book test/project work /	F&S	I	
CO3	Describe <i>Arḍ</i> (earth) as a constitutional element, its significance, and its natural position	Cognitive /comprehension	MK	Knows	Lecture/ seminar/ workshop	Written/ open book test/project work	F&S	I	
f. Theorem of structural peculiarity of modern science									
CO3	Describe the theorem of structural peculiarity of modern science to substantiate the building block of human body	Cognitive/ comprehension	MK	Knows	Lecture/ Jigsaw activity	Written/ open book test/project work	F&S	I	
g. Clinical orientation of 'Anāṣir in case of their excess and deficiency									
CO3	Enlist the clinical orientation of 'Anāṣir in case of their excess and deficiency	Cognitive comprehension	DK	Knows	Lecture/self -directed learning	Written/assi gnment	F&S	I	
Topic 3 - (Mizāj/ Kayfiyāt) (Lecture:- 15 hours, Non lecture 8 hours)									
a. Mizāj: Definition, explanation, significance, and types									
CO4	Define <i>Mizāj/ Kayfiyāt</i>	Cognitive/ comprehension	MK	Knows	Lecture	Written /viva	F&S	II	

CO4	Explain the concept of <i>Mizāj</i> and its significance	Cognitive/comprehension	MK	Knows	Lecture/seminar/workshop	Written/open book test/project work	F&S	II	
CO4	Enlist the types of <i>Mizāj</i>	Cognitive/comprehension	MK	Knows	Lecture	Written /viva/ Quiz/ Puzzle	F&S	II	
b. Mizāj Mu'tadil									
CO4	Describe <i>Mizāj Mu'tadil Ḥaqqīqī</i>	Cognitive/comprehension	MK	Knows	Lecture	Written	F&S	II	
CO4	Describe <i>Mizāj Ghayr Mu'tadil</i>	Cognitive/comprehension	MK	Knows	Lecture	Written	F&S	II	
CO4	Define ' <i>Adl fi'l Qisma</i>	Cognitive/comprehension	MK	Knows	Lecture	Written /viva	F&S	II	
c. Mizāj Mu'tadil Ṭibbī									
CO4	Define <i>Mizāj Mu'tadil Ṭibbī</i>	Cognitive/comprehension	MK	Knows	Lecture	Written /viva	F&S	II	
CO4	Enlist <i>Mizāj Mu'tadil Ṭibbī</i>	Cognitive/comprehension	MK	Knows	Lecture	Written /viva	F&S	II	
CO4	Define <i>Mizāj Mu'tadil Naw'ī bi'l Qiyās ila'l Khārij</i> with example	Cognitive/comprehension	DK	Knows	Lecture	Written /viva	F&S	II	
CO4	Define <i>Mizāj Mu'tadil Naw'ī bi'l Qiyās ila'l Dākhil</i> with example	Cognitive/comprehension	DK	Knows	Lecture	Written /viva	F&S	II	
CO4	Define <i>Mizāj Mu'tadil Ṣinfī bi'l Qiyās ila'l Khārij</i> with example	Cognitive/comprehension	DK	Knows	Lecture	Written /viva	F&S	II	
CO4	Define <i>Mizāj Mu'tadil Ṣinfī bi'l Qiyās ila'l Dākhil</i> with example	Cognitive/comprehension	DK	Knows	Lecture	Written /viva	F&S	II	

CO4	Define <i>Mizāj Mu‘tadil Shakhṣī bi’l Qiyās ila’l Khārij</i> with example	Cognitive/comprehension	DK	Knows	Lecture	Written /viva	F&S	II	
CO4	Define <i>Mizāj Mu‘tadil Shakhṣī bi’l Qiyās ila’l Dākhil</i> with example	Cognitive/comprehension	DK	Knows	Lecture	Written /viva	F&S	II	
CO4	Define <i>Mizāj Mu‘tadil ‘Uḍwī bi’l Qiyās ila’l Khārij</i> with example	Cognitive/comprehension	DK	Knows	Lecture	Written /viva	F&S	II	
CO4	Define <i>Mizāj Mu‘tadil ‘Uḍwī bi’l Qiyās ila’l Dākhil</i> with example	Cognitive/comprehension	DK	Knows	Lecture	Written /viva	F&S	II	
d. Mizāj Ghayr Mu‘tadil									
CO4	Enlist the types of <i>Mizāj Ghayr Mu‘tadil</i>	Cognitive/comprehension	MK	Knows	Lecture	Written /viva	F&S	II	
e. Amjiza A‘ḍā’									
CO4, CO6	Identify the <i>A‘ḍā’ Mu‘tadila</i> along with their constitutional hierarchy and its justification	Cognitive/comprehension	DK	Knows	Lecture/ open book discussion	Written /viva/ open book test/project work	F&S	II	
CO4, CO6	Identify the <i>A‘ḍā’ Ḥārri</i> along with constitutional hierarchy and its justification	Cognitive/comprehension	DK	Knows	Lecture	Written /viva/assignment	F&S	II	
CO4, CO6	Identify the <i>A‘ḍā’ Bārīda</i> along with constitutional hierarchy and its justification	Cognitive/comprehension	MK	Knows	Lecture	Written /viva/assignment	F&S	II	
CO4, CO6	Identify the <i>A‘ḍā’ Yābisa</i> along with constitutional hierarchy and its justification	Cognitive/comprehension	MK	Knows	Lecture	Written/assignment	F&S	II	

CO4, CO6	Identify the <i>A 'dā' Raḥba</i> along with constitutional hierarchy and its justification	Cognitive/comprehension	MK	Knows	Lecture	Written/assignment	F&S	II	
f. Mizāj Insānī and Ajnās 'Ashara									
CO4	Appraise the <i>Mizāj Insānī</i> (human constitution) based on <i>Ajnās 'Ashara</i>	Cognitive/comprehension	MK	Knows	Lecture	Written/open book test/project work	F&S	II	
g. Amzija Asnān									
CO4	Classify the <i>Amzija Asnān</i> (constitution of different stages)	Cognitive/comprehension	MK	Knows	Lecture	Written/viva	F&S	II	
CO4	Explain <i>Sinn-i- Numū</i>	Cognitive/comprehension	MK	Knows	Lecture	Written/viva	F&S	II	
CO4	Explain <i>Sinn-i-Shabāb</i>	Cognitive/comprehension	MK	Knows	Lecture	Written/viva	F&S	II	
CO4	Explain <i>Sinn-i- Kuhūlat</i>	Cognitive/comprehension	MK	Knows	Lecture	Written/viva	F&S	II	
CO4	Explain <i>Sinn-i-Shaykhūkhat</i>	Cognitive/comprehension	MK	Knows	Lecture	Written/viva	F&S	II	

	<i>h. Mizāj Ajnās</i>								
CO4	Explain the necessity and significance of <i>Mizāj Ajnās</i>	Cognitive/comprehension	DK	Knows	Lecture/Jigsaw activity	Written /viva/ open book test/project work	F&S	II	
	<i>i. Mizāj Iqlīm</i>								
CO3	Describe different doctrines in respect of <i>Mizāj Iqlīm</i>	Cognitive/comprehension	DK	Knows	Lecture/Jigsaw activity	Written /viva/ open book test/project work	F&S	II	
CO4	Identify equable temperament of <i>Iqlīm</i> with argument	Cognitive/comprehension	NK	Knows	Lecture	Written /viva/ open book test/project work	F	II	
	<i>j. Tashkhīṣ Marāḍ and Mizāj</i>								
CO4	Explain the importance of <i>Mizāj</i> in diagnosis of diseases	Cognitive/comprehension	NK	Knows	Lecture/Jigsaw activity	Written /viva/assignment	F	II	
	<i>k. Recommendation of diets, drugs and Mizāj</i>								
CO4	Describe the importance of <i>Mizāj</i> in <i>Tashkhīṣ</i>	Cognitive/comprehension+ recall	NK	Knows	Lecture/tutorial	Written /viva	F	II	

CO4	Explain the importance of <i>Mizāj</i> in prescribing medicines	Cognitive/ comprehension+ recall	NK	Knows	Lecture/ group discussion	Written /viva	F	II	
<p>Topic 4 - (<i>Akhlāṭ</i>) (Lecture:- 15 hours, Non lecture 6 hours)</p> <p>a) <i>Akhlāṭ</i>: definition, concept and understanding and types</p>									
CO5	Define <i>Akhlāṭ</i>	Cognitive/ comprehension	MK	Knows	Lecture	Written /viva	F&S	II	
CO5	Explain different theories in respect of production of <i>Akhlāṭ</i>	Cognitive/ comprehension	DK	Knows	Lecture/ Jigsaw activity	Written/ open book test/project work/ Quiz/ Puzzle	F&S	II	
CO5	Enlist the types of <i>Akhlāṭ</i>	Cognitive/ comprehension	MK	Knows	Lecture/ tutorial	Written /viva	F&S	II	
CO5	Explain the <i>Tawlīd Akhlāṭ</i> in details	Cognitive/ comprehension/recall	DK	Knows	Lecture/ Group discussion	Written/ open book test/project work	F&S	II	
<p>b. <i>Ruṭūbat Ūlā</i> and <i>Thāniya</i></p>									
CO5	Describe <i>Ruṭūbat Ūlā</i> and their classification	Cognitive/ comprehension	DK	Knows	Lecture	Written/ viva	F&S	II	

CO5	Describe <i>Ruṭūbat Thāniya</i> and their classification	Cognitive/ comprehension	NK	Knows	Lecture/self -directed learning	Written	F	II	
c. <i>Khilṭ Dam</i>: definition, explanation, importance, types, and application									
CO5	Describe <i>Dam</i> and its constitutional hierarchy along with arguments	Cognitive/ comprehension	MK	Knows	Lecture/ seminar/ workshop	Written/ open book test/project work	F&S	II	
CO5	Enlist types of <i>Dam</i>	Cognitive/ comprehension	DK	Knows	Lecture	Written /viva	F&S	II	
CO5	Discuss <i>Ṭabī'ī Dam</i> and its characteristics	Cognitive/ comprehension	DK	Knows	Lecture	Written	F&S	II	
CO5	Discuss <i>Ghayr Ṭabī'ī Dam</i> and its classification	Cognitive/ comprehension	NK	Knows	Lecture/ tutorial	Written	F	II	
CO5	Discuss and enlist <i>Amrāḍ Damwiyya</i>	Cognitive/ comprehension	NK	Knows	Lecture	Written	F	II	
d. <i>Khilṭ Balgham</i>: definition, explanation, importance, types and application									
CO5	Define <i>Balgham</i> and its constitutional hierarchy along with arguments and its benefits	Cognitive/ comprehension	MK	Knows	Lecture	Written/ open book test/project work	F&S	II	

CO5	Enlist the types of <i>Balgham</i>	Cognitive/ comprehension	MK	Knows	Lecture	Written /viva	F&S	II	
CO5	Define <i>Ṭabī'ī Balgham</i> , its characteristics and necessities	Cognitive/ comprehension	DK	Knows	Lecture/ seminar/ workshop	Written	F&S	II	
CO5	Define <i>Balgham Ghayr Ṭabī'ī</i>	Cognitive/ comprehension	MK	Knows	Lecture	Written /viva	F&S	II	
CO5	Enlist the types of <i>Balgham Ghayr Ṭabī'ī</i> based on taste	Cognitive/ comprehension	NK	Knows	Lecture/ tutorial	Written/ viva	F	II	
CO5	Enlist the types of <i>Balgham Ghayr Ṭabī'ī</i> based on consistency	Cognitive/ comprehension	NK	Knows	Lecture	Written/ viva	F	II	
CO5	Enlist the types of <i>Balgham Ghayr Ṭabī'ī</i> based on <i>Rāyeḥa</i> (odor)	Cognitive/ comprehension	NK	Knows	Lecture	Written /viva	F	II	
CO5	Classify <i>Amrād Balghamiyya</i>	Cognitive/ comprehension	NK	Knows	Lecture/ tutorial	Written/assi gnment	F	II	
e. <i>Khilṭ Ṣafra</i>: definition, explanation, importance, types, and application									
CO5	Define <i>Ṣafra'</i> , its constitutional hierarchy along with arguments and its benefits	Cognitive/ comprehension	MK	Knows	Lecture/ problem based	Written/ open book test/project	F&S	II	

					learning	work			
CO5	Enlist the types of <i>Ṣafrā'</i>	Cognitive/ comprehension	MK	Knows	Lecture	Written /viva	F&S	II	
CO5	Define <i>Ṣafrā' Ṭabī'ī</i> , its characteristics and significance	Cognitive/ comprehension	DK	Knows	Lecture/ group discussion	Written/ viva/ open book test/project work	F&S	II	
CO5	Describe <i>Ṣafrā' Ghayr Ṭabī'ī</i> along with its classification	Cognitive/ comprehension	DK	Knows	Lecture	Written	F&S	II	
CO5	Enlist the <i>Amrād Ṣafrāwiyya</i>	Cognitive/ comprehension	NK	Knows	Lecture	Written /viva	F	II	
f. <i>Khilṭ Sawdā'</i>: definition, explanation, importance, types, and application									
CO5	Define <i>Sawdā'</i> , its constitutional hierarchy with their arguments and benefits	Cognitive/ comprehension	MK	Knows	Lecture/ Jigsaw activity	Written/ open book test/project work	F&S	II	
CO5	Enlist the types of <i>Sawdā'</i>	Cognitive/ comprehension	MK	Knows	Lecture	Written /viva	F&S	II	
CO5	Define <i>Sawdā' Ṭabī'ī</i> , its characteristics and significance	Cognitive/ comprehension	DK	Knows	Lecture/ seminar/ workshop	Written	F&S	II	

CO5	Describe <i>Sawdā' Ghayr Ṭabī'ī</i> along with its classification	Cognitive/comprehension	DK	Knows	Lecture	Written	F&S	II	
CO5	Enlist the <i>Amrād Sawdāwiyya</i>	Cognitive/comprehension	DK	Knows	Lecture	Written	F&S	II	
g. Justification of <i>Arb'iat Akhlāṭ</i>									
CO5	Justify the <i>Arb'iat Akhlāṭ</i> based on arguments	Cognitive/comprehension	MK	Knows	Lecture/self-directed learning	Written/open book test/project work	F&S	II	
Topic 5- (<i>A'ḍā'</i>) (Lecture:- 5 hours, Non lecture 4 hours)									
a. <i>A'ḍā'</i>: Description and their classification									
CO6	Describe <i>A'ḍā'</i> (Organs)	Cognitive/comprehension	MK	Knows how	Lecture/audio-visual demonstration	Written/viva	F&S	II	Tashrīḥ
CO6	Classify <i>A'ḍā'</i> (Organs)	Cognitive/comprehension	MK	Knows how	Lecture/audio-visual demonstration	Written/viva/ Quiz/ Puzzle	F&S	II	Tashrīḥ
b. Definition of <i>A'ḍā' Mufrada</i>, classification, opinions of different physicians									
CO6	Define <i>A'ḍā' Mufrada</i> (Simple Organs)	Cognitive/comprehension	MK	Knows	Lecture/group discussion	Written/viva	F&S	II	

CO6	Classify the <i>A 'dā' Mufrada</i>	Cognitive/comprehension	MK	Knows	Lecture	Written/viva	F&S	II	Tashrīḥ
CO6	Enlist the <i>A 'dā' Mufrada</i> and their structure and functions	Cognitive/comprehension	MK	Knows how	Lecture	Written/viva	F&S	II	Tashrīḥ
CO6	Explain the genesis of <i>A 'dā' Mufrada</i> and controversy amongst different group of physicians	Cognitive/comprehension	DK	Knows how	Lecture/group discussion	Written/viva/ open book test/project work	F&S	II	Tashrīḥ
CO6	Justify the reason for inclusion of <i>Sha'r</i> (Hair), <i>Zufr</i> (Nail) and <i>Mukhkh</i> (Marrow) in <i>A 'dā' Mufrada</i>	Cognitive/comprehension	DK	Knows how	Lecture/group discussion	Written/viva/ open book test/project work	F&S	II	Tashrīḥ
c. Definition of <i>A 'dā' Murakkaba</i> with their classification									
CO6	Define <i>A 'dā' Murakkaba</i> (Compound Organs) with their classification	Cognitive/demonstration	MK	Knows	Lecture/Jigsaw activity	Written/viva	F&S	II	Tashrīḥ
d. <i>A 'dā' Ra'īsa</i>									
CO6	Define <i>A 'dā' Ra'īsa</i> (Vital Organs) and their classification	Cognitive/recall	MK	Knows	Lecture/group discussion	Written/viva	F&S	II	Tashrīḥ
e. <i>A 'dā' Khādima</i>									
CO6	Define <i>A 'dā' Khādima</i> (Subordinate Organs)	Cognitive/demonstration	MK	Knows	Lecture	Written/viva	F&S	II	Tashrīḥ

	f. ‘Uḍw Mu‘fī and ‘Uḍw Qābil								
CO6	Explain the concept of ‘Uḍw Mu‘fī (Donor Organ)	Cognitive/comprehension	DK	Knows	Lecture	Written/ open book test/project work	F&S	II	Tashrīḥ
CO6	Explain the concept of ‘Uḍw Qābil (Recipient Organ)	Cognitive/comprehension	MK	Knows	Lecture	Written/assignment	F&S	II	Tashrīḥ
Topic 6- (Arwāḥ) (Lecture:- 5 hours, Non lecture 3 hours)									
	a) Definition of Arwāḥ and their classification								
CO7	Define Arwāḥ and their classification	Cognitive/comprehension	MK	Knows how	Lecture	Written /viva	F&S	III	
	b) Concept of Rūḥ according to different Unani Scholars								
CO7	Describe the Concept of Arwāḥ (Pneuma) according to different Unani Scholars	Cognitive/comprehension	DK	Knows how	Lecture/ Group discussion	Written /viva/ open book test/project work	F&S	III	
	c) Functions of Arwāḥ and their Masālik								
CO7	Classify the functions of Arwāḥ and their Masālik (channels)	Cognitive/demonstration	MK	Knows how	Lecture/audio-visual demonstration	Written/ Quiz/ Puzzle	F&S	III	
	d) Tanqīya and Tarwīḥ								

CO7	Discuss in brief <i>Tanqiya</i> and <i>Tarwih</i>	Cognitive/comprehension	MK	Knows	Lecture/ group discussion	Written /viva	F&S	III	
e) Concentration of <i>Rūh</i> in different organs									
CO7	Analyze the concentration of <i>Rūh</i> in different organs	Cognitive/Analyze	DK	Knows how	Lecture	written	F&S	III	
Topic 7 - (<i>Quwā</i>) (Lecture:- 15 hours, Non lecture 9 hours)									
a) Definition of <i>Quwā</i> with their classification									
CO8	Define <i>Quwā</i> (Powers or Faculties) with their classification	Cognitive/comprehension	MK	Knows	Lecture	Written /viva/ open book test/project work	F&S	III	
b) <i>Quwā Nafsāniyya</i>: definition, classification, functions, and complications									
CO8	Describe <i>Quwā Nafsāniyya</i> (Psychic or Mental Faculty) in brief	Cognitive/comprehension	MK	Knows	Lecture	Written open book test/project work /	F&S	III	Tashrīh
CO8	Discuss <i>Quwwat Muḥarrika</i> (Motor Faculty)	Cognitive/recall	DK	Knows	Lecture/ group discussion	Written/ viva/ open book test/project work	F&S	III	Tashrīh
CO8	Discuss <i>A 'rād Quwwat Muḥarrika</i> (Motor Faculty)	Cognitive/comprehension	DK	Knows how	Lecture/ group	Written /viva	F&S	III	Tashrīh

		on/recall			discussion				
CO8	Discuss <i>Quwwat Mudrika</i> (Faculty of Perception)	Cognitive/recall	MK	Knows	Lecture/tutorial	Written/ Viva/ open book test/project work	F&S	III	Tashrīḥ
CO8	Discuss <i>Ḥawās Khamsa Zāhira</i> (Five Special Senses)	Cognitive/demonstration	MK	Knows	Lecture/audio-visual demonstration/ integrated teaching	Written /viva/ open book test/project work	F&S	III	Tashrīḥ
CO8	Describe <i>Quwwat Bāṣira</i> (Power of Vision)	Cognitive/demonstration	MK	Knows	Lecture / audiovisual demonstration/ integrated teaching	Written /viva	F&S	III	Tashrīḥ
CO8	Describe <i>Quwwat Sāmi 'a</i> (Power of Hearing)	Cognitive/demonstration	MK	Knows	Lecture / audiovisual demonstration/ integrated teaching	Written /viva	F&S	III	Tashrīḥ
CO8	Enlist <i>A 'rāq Quwwat Sāmi 'a</i> (Power of Hearing)	Cognitive/recall	NK	Knows how	Lecture/tutorial	Written /viva	F	III	Tashrīḥ
CO8	Describe <i>Quwwat Shāmma</i> (Power of Smell)	Cognitive/demonstration	MK	Knows	Lecture /audiovisual demonstration/ integrated teaching	Written /viva	F&S	III	Tashrīḥ

CO8	Enlist <i>A 'rāḍ Quwwat Shāmma</i>	Cognitive/recall	NK	Knows how	Lecture/ Problem based learning/ integrated teaching	Written /viva	F	III	Tashrīḥ
CO8	Describe <i>Quwwat Dhā'iqā</i> (Power of Taste)	Cognitive/demonstration	MK	Knows	Lecture /audiovisual demonstration/ integrated teaching	Written /viva	F&S	III	Tashrīḥ
CO8	Enlist <i>A 'rāḍ Quwwat Dhā'iqā</i>	Cognitive/recall	NK	Knows how	Lecture/ problem-based learning/ integrated teaching	Written /viva	F	III	Tashrīḥ
CO8	Describe <i>Quwwat Lāmisa</i> (Power of Tactile Sensation)	Cognitive/demonstration	MK	Knows	Lecture / audiovisual demonstration/ integrated teaching	Written/ viva	F&S	III	Tashrīḥ
CO8	Enlist <i>A 'rāḍ Quwwat Lāmisa</i>	Cognitive/recall	NK	Knows how	Lecture/ integrated teaching	Written /viva	F	III	Tashrīḥ
CO8	Describe <i>Ḥawās Khamsa Bāḥina</i> (Intellectual Senses)	Cognitive/demonstration	MK	Knows how	Lecture/ Problem based/ integrated teaching learning	Written /viva/ open book test/project work	F&S	III	Tashrīḥ

CO8	Enlist <i>A 'rād Hawās Khamsa Bāṭna</i>	Cognitive/recall	NK	Knows how	Lecture/ Problem based learning/ integrated teaching	Written /viva	F	III	Tashrīḥ
CO8	Describe <i>Ḥiss Mushtarak</i> (Power of Composite Senses)	Cognitive/demonstration	MK	Knows how	Lecture/ problem based integrated teaching learning/	Written /viva	F&S	III	Tashrīḥ
CO8	Describe <i>Quwwat Mutakhayyila</i> (power of reasoning and imagination)	Cognitive/comprehension	MK	Knows how	Lecture/ problem based integrated teaching learning/	written	F&S	III	Tashrīḥ
CO8	Describe <i>Quwwat Ḥafīza</i> (Power of Memory)	Cognitive/recall	MK	Knows how	Lecture/ group discussion/ integrated teaching	Written /viva	F&S	III	Tashrīḥ
CO8	Describe <i>Quwwat Mutaṣarrifa</i> (Power of modification)	Cognitive/recall	MK	Knows how	Lecture/ group discussion/ integrated teaching	Written /viva	F&S	III	Tashrīḥ
CO8	Describe <i>Quwwat Wāhima</i> (Power of apprehension)	Cognitive/recall	MK	Knows how	Lecture/ Problem based learning/ integrated	written	F&S	III	Tashrīḥ

					teaching				
c) <i>Quwā Ḥaywāniyya</i>: definition, classification, functions, and complications									
CO8	Describe <i>Quwwat Ḥaywāniyya</i> (Vital Faculties)	Cognitive/demonstration	MK	Knows how	Lecture	written	F&S	III	Tashrīḥ
CO8	Describe <i>Quwwat Fā'ila</i> and <i>Munfa'ila Ḥaywāniyya</i>	Cognitive/demonstration	DK	Knows	Lecture/ Problem based learning	Written/ open book test/project work	F&S	III	Tashrīḥ
CO8	Discuss the advantages of <i>Inqibāḍ Qalb</i> and <i>Inbisāṭ Qalb</i> (Systolic and Diastolic movements of the Heart)	Cognitive/demonstration	DK	Knows how	Lecture / group discussion/ integrated teaching	Written /viva/ open book test/project work	F&S	III	Tashrīḥ
CO8	Enlist <i>A'rād Quwwat Ḥaywāniyya</i>	Cognitive/recall	NK	Knows how	Lecture / Problem based learning	written	F	III	Tashrīḥ
d) <i>Quwā Ṭabī'iyya</i>: definition, classification, and functions									
CO8	Define and Classify <i>Quwwat Ṭabī'iyya</i> (Physical Power)	Cognitive/comprehension	MK	Knows	Lecture/ Problem based learning	Written/viva	F&S	III	
CO8	Define and explain the functions of <i>Quwwat Ghādhiya</i>	Cognitive/comprehension	MK	Knows	Lecture	written	F&S	III	
CO8	Define and explain the functions of <i>Quwwat Nāmiya</i> (Power of Growth)	Cognitive/comprehension	MK	Knows	Lecture	written	F&S	III	
CO8	Describe <i>Sharā'it-i-Taghdhiya</i> (Conditions of nutrition) in detail	Cognitive/comprehension	MK	Knows	Lecture/ seminar	Written /viva/ open	F&S	III	

					/workshop	book test/project work			
CO8	Explain the Functional stages of <i>Quwwat Ghādhīya</i> at organ level	Cognitive/comprehension	MK	Knows	Lecture/group discussion	Written/viva	F&S	III	
CO8	Explain the functions of <i>Quwwat Mughayyira</i> (Power of transformation)	Cognitive/comprehension	MK	Knows	Lecture	Written/viva	F&S	III	
CO8	Define and explain the functions of <i>Quwwat Muwallida</i> (Generative Power)	Cognitive/comprehension	MK	Knows how	Lecture	Written/viva	F&S	III	
CO8	Define and explain the functions of <i>Quwwat Muṣawwira</i> (Molding Power)	Cognitive/comprehension	MK	Knows how	Lecture/problem-based learning	Written/viva	F&S	III	
CO8	Describe <i>Taghayyurāt Ghidhā'</i> (Metabolism of Nutrients) in detail	Cognitive/comprehension	DK	Knows	Lecture/audio-visual demonstration	Written/viva/ open book test/project work	F&S	III	
CO8	Explain the functions of <i>Quwwat Jādhiba, Māsika, Hāḍīma</i> and <i>Dāfi'a</i> (Powers of absorption, retention, digestion, and excretion)	Cognitive/comprehension	MK	Knows	Lecture/group discussion	Written/viva	F&S	III	
CO8	Enlist <i>Huḍūm Arba'a</i> (Four Digestions)	Cognitive/comprehension	MK	Knows	Lecture/open book discussion	Written/viva	F&S	III	
CO8	Describe <i>Haḍm Mi'dī</i> (The Elementary Digestion) in detail	Cognitive/demonstration	DK	Knows	Lecture/audiovisual demonstration	Written/viva	F&S	III	Tashrīḥ

CO8	Describe <i>Haḍm Kabidī</i> (The Hepatic Digestion) in detail	Cognitive/demonstration	DK	Knows	Lecture / audiovisual demonstration	Written /viva	F&S	III	Tashrīḥ
CO8	Describe <i>Haḍm 'Urūqī</i> (Vascular Digestion) in detail	Cognitive/demonstration	DK	Knows	Lecture	Written /viva	F&S	III	Tashrīḥ
CO8	Describe <i>Haḍm 'Uḍwī</i> (Cellular Digestion) in detail	Cognitive/demonstration	DK	Knows	Lecture /audiovisual demonstration	written	F&S	III	Tashrīḥ
e) <i>Quwā Tanāsuliyya</i>: definition, classification, and complications									
CO8	Define and classify the <i>Quwwat Tanāsuliyya</i> (Power of reproduction)	Cognitive/demonstration	MK	Knows how	Lecture	Written /viva	F&S	III	Tashrīḥ
CO8	Enlist <i>A 'rād Quwwat Tanāsuliyya</i> (Power of reproduction)	cognitive	NK	Knows how	Lecture/ problem-based learning	Written /viva	F	III	Tashrīḥ
f) Classification of the <i>Af'āl</i> (Functions) according to <i>Quwā</i> (Powers)									
CO8	Classify the <i>Af'āl</i> (Functions) according to <i>Quwā</i> (Powers)	Cognitive/comprehension	MK	Knows	Lecture/ Problem based learning	Written /viva/ open book test/project work	F&S	III	
CO8	Explain relationship between <i>Af'āl</i> and <i>Quwā</i>	Cognitive/comprehension	DK	Knows how	Lecture	Written /viva	F&S	III	
g) Association amongst <i>Quwā</i> and the role of <i>Ṭabī'at</i>									
CO8, CO2	Explain the association amongst <i>Quwā</i> and the role of <i>Ṭabī'at</i>	Cognitive/comprehension	NK	Knows how	Lecture/ audio-visual	Written /viva/ open	F	III	

					demonstration/tutorial	book test/project work			
Topic 8 - (Af'āl) (Lecture:- 5 hours, Non lecture 1 hour)									
a) Definition and classification of Af'āl									
CO8	Define and classify <i>Af'āl</i>	Cognitive/comprehension	MK	Knows	Lecture/Problem based learning	Written /viva	F&S	III	
b) Fi'l Mufrad									
CO8	Define and classify <i>Fi'l Mufrad</i>	Cognitive/comprehension	MK	Knows	Lecture/Problem based learning	Written /viva	F&S	III	
c) Fi'l Murakkab									
CO8	Define and classify <i>Fi'l Murakkab</i>	Cognitive/comprehension	MK	Knows	Lecture/Problem based learning	Written /viva	F&S	III	
d) A'rāz Af'āl									
CO8	Describe A'rāz <i>Af'āl</i>	Cognitive/comprehension	MK	Knows	Lecture/Problem based learning	Written /viva	F&S	III	

Table 4: Learning objectives of *Kulliyat Umoore Tabiya* UNIUG-KUT (Practical)

A4 Course outcome	B4 Learning Objective (At the end of the practical/clinical session, the students should be able to)	C4 Domain/Sub	D4 Must know/desirable to know/Nice to know	E4 Level Does/shows/Knows how/knows	F4 T-L method	G4 Assessment	H4 Formative/summative	I4 Term	J4 Integration
Practical 1- (<i>Arkān</i>) (Non lecture:- 12 hours)									
CO3	illustrate the natural position of <i>Arkān</i>	Cognitive/comprehension	MK	Knows + Knows how	schematic diagram	Written/viva	F & S	I	
	Identify and classify the Elements with the help of Periodic Table	Cognitive/comprehension Psychomotor	MK	Knows + Knows how	schematic diagram	Written/viva	F & S	I	
	Illustrate ' <i>Anāshir Insāniyya</i>	Cognitive/comprehension	MK	Knows + Knows how	schematic diagram	Written/viva	F & S	I	
Practical 2- (<i>Mizāj</i>) (Non lecture:- 23 hours)									

CO4	Evaluate <i>Mizāj Shakhsī</i> through <i>Ajnās ‘Ashara</i>	Cognitive/Comprehension	MK	Knows + Knows how	schematic diagram/inquiry-based learning	Written/viva	F& S	II	
	Demonstrate <i>Aqālīm</i> with map/globe	Cognitive/Comprehension	MK	Knows + Knows how +shows	schematic diagram/ audio visual demonstration	Written/viva	F& S	II	
	Discuss and demonstrate old and new demarcation of <i>Aqālīm</i>	Cognitive/Comprehension	MK	Knows + Knows how	schematic diagram/audio visual demonstration	Written/viva	F& S	II	
Practical 3- (Akhlāt) (Non lecture:- 25 hours)									
CO5	Demonstrate <i>Akhlāt Arba ‘a</i> by blood sample	Cognitive/ comprehension /Psychomotor	MK	Knows + Knows how +shows	Demonstration/ observation/	Written/viva	F& S	II	
	Evaluate <i>Ghalaba-i-Akhlāt</i> by their <i>‘Alāmāt</i>	Cognitive/Comprehension	MK	Knows + Knows how	schematic diagram/ Demonstration of Akhlat of venous blood sample	Written/viva	F& S		
Practical 4- (A ‘dā’) (Non lecture:- 12 hours)									
CO6	Examination of <i>A ‘dā’ Mufrada</i> with the help of slide showing	Cognitive/Comprehension/Psychomotor	MK	Knows + Knows how +shows	schematic diagram	Written/viva	F& S	II	Ta sh rīh

	microstructural peculiarities and <i>A 'dā' Murakkaba</i> by diagram and models/specimens								
	Illustrate the functions of different organs	Cognitive/Comprehension	MK	Knows + Knows how	schematic diagram	Written/viva	F& S	II	
Practical 5- (<i>Arwāh</i>) (Non lecture:- 7 hours)									
CO7	Explain the classification of <i>Arwāh</i> by innovative mode	Cognitive/Comprehension	MK	Knows + Knows how	schematic diagram	Written/viva	F& S	III	
Practical 6 - (<i>Quwā</i>) (Non lecture:- 15 hours)									
CO8	Explain the classification of <i>Quwā</i>	Cognitive/comprehension	MK	Knows + Knows how	schematic diagram	Written/viva	F& S	III	
CO8	Illustrate <i>Quwwat Bāṣira</i> through assessment of visual Acuity by Snellen Chart	Cognitive/Recall+Comprehension	MK	Knows+ Knows how	Tutorial+ Demonstration	Written Practical exam +Viva-Voce	F & S	III	Ta sh rīh

CO8	Illustrate <i>Quwwat Sāmi 'a</i> through Tuning Fork Test/ Audiometry	Cognitive/Recall+ Comprehension Psychomotor	MK	Shows/ Knows /Knows how	Tutorial+ Demonstration	Written/ Practical exam +Viva-Voce	F & S	III	Ta sh rīḥ
CO8	Demonstrate <i>Quwwat Lāmisa</i> through perception of <i>Kayfiyāt Arba 'a</i> by calorimeter with tactile sensation	Cognitive/ comprehension Psychomotor	MK	shows	Demonstration/ observation	Written/vi va	F & S	III	Ta sh rīḥ
CO8	Describe and demonstrate <i>Hawās Khamsa Bāḥina</i>	Cognitive/Recall+ Comprehension	MK	Shows/ Knows/ Knows how	schematic diagram/Demons tration	Written /Practical exam +Viva-Voce	F & S	III	Ta sh rīḥ
CO8	Describe and demonstrate the <i>Ḥiss Mushtarak</i> by Newton's Colour Disc	Cognitive/Recall+ Comprehension	MK	Shows /Knows+ Knows how	Audio visual	Written/ Practical exam +Viva-Voce	F & S	III	Ta sh rīḥ
CO8	Describe and demonstrate the <i>Quwwat Wāhima</i>	Cognitive/Recall+ Comprehension	MK	Shows/Know s/ Knows how	Audio visual	written /Practical exam +Viva-Voce	F & S	III	Ta sh rīḥ
CO8	Describe and demonstrate the <i>Quwwat Ḥafīza</i> through PGI Memory Scale	Cognitive/Recall+ Comprehension	MK	Shows/Know s/ Knows how	Tutorial+ Demonstration	Written/Pra ctical exam +Viva-Voce	F & S	III	Ta sh rīḥ

Practical 7 - (<i>Af'al</i>) (Non lecture:- 4 hours)									
CO8	Illustrate the classification of <i>Af'al</i>	Cognitive/ comprehension	MK	Knows + Knows how +shows	schematic diagram/demon stration	Written/vi va	F& S	III	
CO8	Illustrate the functions of different organs	Cognitive/ Comprehension Psychomotor	MK	Knows + Knows how	Tutorial+ Demonstration	Written/viv a	F& S	III	

Table 5- Non Lecture Activities of *Kulliyat Umoore Tabiya* UNIUG-KUT

Sr. No.	List non lecture Teaching-Learning methods	No of Activities
1.	Group discussion	21
2.	Seminar/Workshop	27
3.	Tutorial	16
4.	Problem based learning	12
5.	Self-directed learning	03
6.	Audio visual demonstration	02
7.	Integrated teaching	17
8.	Jigsaw activity	08
9.	Open book discussion/ Open book Test	15
10	Quiz/ Puzzle	06
11	schematic diagram	13

Table 6: Assessment Summary

6 A - Number of papers and Marks Distribution

S. No.	Subject	Papers	Theory	Practical or Clinical Assessment					Grand Total
				Practical or Clinical	Viva	Electives	IA	Total	
1.	<i>Kulliyat Umoore Tabiya</i> (Basic Principles of Unani Medicine)	1	100	100	20	10	20	150	250

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

SR.NO.	PROFESSIONAL COURSE	DURATION OF PROFESSIONAL COURSE		
		First Term (1-6 Months)	Second Term (7-12 Months)	Third Term (13-18 Months)
1	First	3 PA & First TT	3 PA & Second TT	3 PA & UE

PA: Periodical Assessment; TT: Term Test; UE: University Examinations

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
FIRST						D+E	D+E /2
SECOND						D+E	D+E /2
THIRD					NIL	D	D
Final IA	Average of Three Term Assessment Marks as Shown in 'G' Column						

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.	Other activities explained in Table 3 Column G3 as per indicated term.

6 E - Question Paper Pattern

I PROFESSIONAL BUMS EXAMINATIONS

UNIUG-KUT

PAPER

Time: 3 Hours Maximum Marks: 100

INSTRUCTIONS: All questions compulsory

		Number of Questions	Marks per question	Total Marks
Q 1	Multiple Choice Questions (MCQ)	20	1	20
Q 2	Short answer questions (SAQ)	8	5	40
Q 3	Long answer questions (LAQ)	4	10	40
				100

6 F - Distribution of Theory examination

	A List of Topics	B Term	C Marks	D Type of Questions “Yes” can be asked. “No” should not be asked.		
				MCQ (1 Mark)	SAQ (5 Marks)	LAQ (10 Marks)
1	مبحث عام (Mabḥas-i-‘Ām)	I	10	yes	yes	No
	<p>a) علم طب: موضوع، غرض و غایت اور (<i>Ilm Ṭibb, Mawḍū, Gharḍ-o-Ghāyat and its types</i>)</p> <p>b) اسباب وجود انسانی مع اقسام (<i>Asbāb-i-Wujūd Insāni and its classification</i>)</p> <p>c) امور طبیعیہ: اہمیت اور اقسام (<i>Umūr Ṭabī‘iyya, importance and classification</i>)</p> <p>d) طبیعت: تفہیم، اہمیت، آلات اور مناعت سے اس کا تعلق (<i>Ṭabī‘at: understanding, importance, tools and its</i>)</p>					

	<p>relation with immunity)</p> <p>e) حرارت غریزیہ: تصور، تنظیم، افعال، رطوبت غریزیہ، <i>Ḥarārat</i> (حرارت غریبیہ اور عنفونت <i>Gharīziyya</i>: Concept, Understandings, Functions, <i>Ruṭūbat Gharīziyya, Ḥarārat</i> <i>Gharība and Ufūnat</i>)</p>					
2	<p>عناصر/ارکان (<i>Arkān/ 'Anāṣir</i>)</p>	I	10	yes	yes	Yes
	<p>a) ارکان/عناصر (<i>Arkān/ 'Anāṣir</i>)</p> <p>b) ارکان اربعہ کا تصور (concept of <i>Arkān Arba 'a</i>)</p> <p>c) ارکان، عناصر اور اسطقتات کے مابین فرق (difference between <i>Arkān, 'Anāṣir</i> and <i>Uṣṭuquṣṣāt</i>)</p> <p>d) کیفیات اربعہ (<i>Kaifiyāt Arba 'a</i>)</p> <p>e) ارکان کی اقسام (Types of <i>Arkān</i>)</p> <p>f) عناصر انسانیہ کی جدید توضیح (Theorem of structural peculiarity of modern science)</p> <p>g) عناصر کی اطلاقی حیثیت (Clinical orientation of '<i>Anāṣir</i> in case of their excess and deficiency)</p>					
3	<p>مزاج/کیفیت (<i>Mizāj/ Kaifiyāt</i>)</p>	II	20	Yes	Yes	Yes
	<p>a) مزاج: تعریف، توضیح، اہمیت اور اقسام Definition, explanation, significance and types)</p> <p>b) مزاج معتدل (<i>Mizāj Mu 'tadil</i>)</p> <p>c) مزاج معتدل طبّی (<i>Mizāj Mu 'tadil Ṭibbī</i>)</p> <p>d) مزاج غیر معتدل (<i>Mizāj Ghayr Mu 'tadil</i>)</p>					

	<p>e) امزجہ اعضاء (Amzija A 'dā')</p> <p>f) مزاج انسانی اور اجناس عشرہ (Mizāj Insānī and Ajnās 'Ashara)</p> <p>g) امزجہ اسنان (Amzija Asnān)</p> <p>h) مزاج اجناس (Mizāj Ajnās)</p> <p>i) مزاج اقلیم (Mizāj Iqlīm)</p> <p>j) تشخیص مرض اور مزاج (Tashkhīṣ-i-Maraḍ and Mizāj)</p> <p>k) تجویز غذا، دوا اور مزاج (Recommendation of diets, drugs and Mizāj)</p>					
4	اخلاط (Akhilāt)	II	15	Yes	yes	Yes
	<p>a) اخلاط: تعریف، تصور و تفہیم و اقسام (Akhilāt: definition, concept and understanding and types)</p> <p>b) رطوبت اولی و ثانیہ (Ruṭūbat Uūla and Thāniya)</p> <p>c) دم: تعریف و توضیح مع دلائل، اہمیت، اقسام اور اطلاقی حیثیت (Khilṭ Dam: definition, explanation, importance, types and application)</p> <p>d) خلط بلغم: تعریف و توضیح مع دلائل، اہمیت، اقسام اور اطلاقی حیثیت (Khilṭ Balgham: definition, explanation, importance, types and application)</p> <p>e) خلط صفراء: تعریف و توضیح مع دلائل، اہمیت، اقسام اور اطلاقی حیثیت (Khilṭ Safrā': definition, explanation, importance, types and application)</p> <p>f) خلط سوداء: تعریف و توضیح مع دلائل، اہمیت، اقسام اور اطلاقی حیثیت (Khilṭ Sawdā': definition, explanation, importance, types and</p>					

	application) g) اربعیت اخلاط کے دلائل (Justification of <i>Arb'iat Akhlāt</i>)					
5	اعضاء (<i>A 'dā</i>)	II	10	yes	Yes	No
	<p>a) اعضاء کی توضیح اور اقسام (<i>A 'dā</i>): Description and their classification)</p> <p>b) اعضاء مفردہ کی تعریف، اقسام اور عدد اعضاء میں اطباء کی آراء (Definition of <i>A 'dā Mufrada</i>, classification, opinions of different physicians)</p> <p>c) اعضاء مرکبہ کی تعریف اور اقسام (Definition of <i>A 'dā Murakkaba</i> with their classification)</p> <p>d) اعضاء ریسہ (<i>A 'dā Ra'īsa</i>)</p> <p>e) اعضاء خادمہ (<i>A 'dā Khādima</i>)</p> <p>f) عضو معطلی و عضو قابل (<i>'Uḍw Mu'ī and 'Uḍw Qābil</i>)</p>					
6	ارواح (<i>Arwāḥ</i>)	III	10	Yes	Yes	No
	<p>a) ارواح کی تعریف اور اقسام (Definition of <i>Arwāḥ</i> and their classification)</p> <p>b) اطباء کی نظر میں روح کا تصور (Concept of <i>Rūḥ</i> according to different Unani Scholars)</p> <p>c) وظائف روح اور مسالک (Functions of <i>Arwāḥ</i> and their <i>Masālik</i>)</p> <p>d) تنقیہ اور ترویج (<i>Tanqiya</i> and <i>Tarwīḥ</i>)</p> <p>e) روح کا ہر جگہ مختلف اعضاء میں (Concentration of <i>Rūḥ</i> in different organs)</p>					

7	قوی (Quwā)	III	20	Yes	yes	Yes
	<p>a) قوی کی تعریف اقسام اور وظائف (Definition of Quwā with their classification and functions)</p> <p>b) قوی انسانیہ: تعریف مع اقسام، وظائف و عوارضات (Quwā Nafsāniyya: definition, classification, functions and complications)</p> <p>c) قوی حیوانیہ: تعریف مع اقسام، وظائف و عوارضات (Quwā Haywāniyya: definition, classification, functions and complications)</p> <p>d) قوی طبیعیہ: تعریف مع اقسام و وظائف (Quwā Ṭabī'iyya: definition, classification and functions)</p> <p>e) قوی تناسلیہ: تعریف اقسام و عوارضات (Quwā Tanāsuliyya: definition, classification, and complications)</p> <p>f) افعال کی تقسیم بحیثیت قوی (Classification of the Af'āl (Functions) according to Quwā)</p> <p>g) قوی میں باہمی اشتراک اور طبیعت کا کردار (Association amongst Quwā and the role of Ṭabī'at)</p>					
8	افعال (Af'āl)	III	5	Yes	Yes	No
	<p>a) افعال کی تعریف اور اقسام (Definition and classification of Af'āl)</p> <p>b) فعل مفرد (Fi'l Mufrad)</p> <p>c) فعل مرکب (Fi'l Murakkab)</p> <p>d) اعراض افعال (A'rād Af'āl)</p>					

6 G - Question Paper blueprint

A Question Sr. No.	B Type of Question	C Question Paper Format
Q1	<p>Multiple choice Questions (MCQ)</p> <p>20 Questions</p> <p>1 mark each</p> <p>All compulsory</p> <p>Must know 15 MCQ Desirable to know 3 MCQ Nice to know 2 MCQ</p>	<ol style="list-style-type: none"> 1. Topic number 1a./ 1b./ 1c./ 1d./ 1e 2. Topic number 2a./ 2b./ 2c./ 2d 3. Topic number 2e./ 2f./ 2g 4. Topic number 3a./ 3c 5. Topic number 3e./ 3f 6. Topic number 3g./ 3h./ 3i. 7. Topic number 3j./ 3k./ 4a. 8. Topic number 4b./ 4c./ 4d. 9. Topic number 4e./ 4f./ 4g. 10. Topic number 5a./ 5b./ 5c. 11. Topic number 5d./ 5e. 12. Topic number 5f./ 6a. 13. Topic number 6b./ 6c. 14. Topic number 6d./ 6e. 15. Topic number 7a./ 7b. 16. Topic number 7c./ 7d. 17. Topic number 7e./ 7f. 18. Topic number 8a./ 8b. 19. Topic number 8c. 20. Topic number 8d.
Q2	<p>Short answer Questions (SAQ)</p> <p>Eight Questions</p> <p>5 Marks Each</p> <p>All compulsory</p> <p>Must know 7 SAQ Desirable to know 1 SAQ No Questions on Nice to know</p>	<ol style="list-style-type: none"> 1. Topic number 1a./ 1b./ 1d./ 1e. 2. Topic number 2a./ 2c./ 2d./ 2g. 3. Topic number 3b./ 3i./ 3j./ 3k. 4. Topic number 4d./ 4e./ 4f./ 4g. 5. Topic number 5a./ 5d./ 5e./ 5f. 6. Topic number 6a./ 6c./ 6d./ 6e. 7. Topic number 7b./ 7d./ 7f./ 7g. 8. Topic number 8a./ 8b./ 8c./ 8d.
Q3	<p>Long answer Questions (LAQ)</p> <p>Four Questions</p> <p>10 marks each</p> <p>All compulsory</p> <p>All questions on must know No Questions on Nice to know and Desirable to know</p>	<ol style="list-style-type: none"> 1. Topic number 2a, / 2b./ 2c./ 2d./ 2e./ 2f. 2. Topic number 3a./ 3b./ 3c./ 3d. / 3f. / 3g. / 3e. 3. Topic number 4a./ 4d./ 4e./ 4f. / 4g. 4. Topic number 7a./ 7b./ 7d./ 7e. / 7f.

6 H - Distribution of Practical Examination

SN	Heads	Marks
1	Practical (Total Marks 100)	
	Natural position of Arkan/Classification of elements with the help of Periodic Table/Schematic representation of ' <i>Anāṣir Insāniyya</i>	30
	Evaluation of <i>Mizāj Insānī</i> by questionnaire based on <i>Ajnās 'Ashara</i> / Demonstration of <i>Iqlīm</i> by globe and graph/ Explanation of Arwah with innovative methods	30
	Evaluation of <i>Ghalaba-i- Akhlāt</i> / Assessment of <i>A 'ḍā' Mufrada wa A 'ḍā' Murakkaba</i> / Illustration of different <i>Quwa</i>	30
	Record Book	10
2	Viva Voce	20
3	Internal	20
4	Electives	10
	Total Marks	150

Table 7. Reference Books/Resources:

S.No:	Name of book	Authors
1	أكسير القلوب Ikseer-ul-Qulūb	حكيم محمد اكبر ارزاني Hakim Mohammad Akbar Arzani, Idara Kitab-ul-Shifa. New Delhi, 2019
2	كامل الصناع Kaamil-as- Sina'ah	علي بن عباس مجوسي Ali Ibn Abbas Majoosi, Idara Kitab-ul-Shifa. New Delhi, 2010
3	امور طبيعیه Introduction to Umūr Tabī'iyya	پروفیسر سید اشتیاق احمد Prof. Syed Ishtiyaq Ahmad Tibbiya College, Karol Bagh, New Delhi. 1980.
4	فردوس الحکمت فی الطب Firdaus-al-Hikmat fil Tibb	علي بن ربن طبری Ali ibn Rabban Tabri Idara, Kitab-ul-Shifa. New Delhi,

		2010
5	کتاب المرشد Kitabul Murshid (Urdu translation)	حکیم رضی الاسلام ندوی Raziul Islam Nadwi, Anjuman Taraqqi Urdu Bureau. New Delhi, 2000.
6	کلیات عصری Kulliyat-e-Asri	پروفیسر سید اشتیاق احمد Prof Syed Ishtiyaq Ahmad, Tibbiya College, Karol Bagh, New Delhi. 1983.
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