



Name of the College.....

Name of University.....

**KAMIL-E-TIBB-O JARAHAT**  
**BACHELOR OF UNANI MEDICINE & SURGERY (B.U.M.S.)**  
**SECOND PROFESSIONAL B.U.M.S.**

**ILMUL ADVIA**  
**(PHARMACOLOGY)**  
**UNIUG-IA**

**PRACTICAL RECORD BOOK**

Name of the Student : .....

Institutional Roll No. : .....

Academic Year: .....

**Department of Ilmul Advia**

UNIVERSITY  
LOGO

COLLEGE  
LOGO

NCISM  
LOGO

COLLEGE NAME.....

APPROVED BY

NATIONAL COMMISSION FOR INDIAN SYSTEM OF MEDICINE, NEW DELHI

AFFILIATED TO

UNIVERSITY NAME.....

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**BACHELOR OF UNANI MEDICINE & SURGERY (B.U.M.S.)**

**SECOND PROFESSIONAL B.U.M.S.**

**ILMUL ADVIA**

**(PHARMACOLOGY)**

**UNIUG-IA**

## **PRACTICAL RECORD BOOK**

**Name of the Student :** .....

**Unique AYUSH ID No :** .....

**University Register/ Enrolment No.:**.....

**Institutional Roll No. :** .....

**Academic Year:** .....

**Department of Ilmul Advia**

UNIVERSITY  
LOGO

COLLEGE  
LOGO

NCISM  
LOGO

COLLEGE NAME.....

APPROVED BY

NATIONAL COMMISSION FOR INDIAN SYSTEM OF MEDICINE, NEW DELHI

AFFILIATED TO

UNIVERSITY NAME.....

**CERTIFICATE**

This is to certify that, Mr./Mrs./Miss..... (Name of student) bearing Roll No..... and University Register/Enrolment No..... has satisfactorily completed all the Practical of **ILMUL ADVIA (PHARMACOLOGY ) UNIUG-IA** prescribed by the National Commission for Indian System of Medicine as a part of Second Professional B.U.M.S Course.

**HEAD OF THE DEPARTMENT**

Submitted for the Practical Examination Conducted by ..... (University Name), held on .....(date) at ..... (College name).

**EXAMINERS**

Date: .....

Internal: .....

Place: .....

External: .....

**INDEX**

<b>Sr. No.</b>	<b>Date</b>	<b>Name of Practical</b>	<b>Term</b>	<b>Page No.</b>	<b>Signature of Teacher</b>
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## **INSTRUCTIONS & GUIDELINES**

### **General**

1. The common format for the practical prescribed by the NCISM is aiming to maintain uniformity among colleges/institutions across the country.

### **Instructions to Students**

2. The student will prepare the practical record book, including the cover page, first inner page, certificate page, and index page as per the format prescribed by the NCISM here.
3. The student will record in the practical record book handwritten immediately after each practical and get the signature of the concerned teaching faculty.
4. The student will use the specific format/template for recording each practical in the practical record book.

### **Instructions to Teachers/HOD**

5. It is the responsibility of the department to conduct practicals as per the list, schedule, method, etc., specified in the curriculum.
6. The teacher must instruct the student to record his/her work as per the specific format prescribed by the NCISM here.
7. After each practical, the concerned teacher must verify the completion of the record work and put the signature in the index page.
8. The certificate page of the practical record will be certified and signed by the concerned head of the department along with the departmental seal at the end of the session.
9. Normal values or any other important information confined to the subject, if any, may be printed in the last pages.

### **Guidelines specific to the subject:**

10. The practical record has to be maintained neatly by the students; it must be legibly written in ink and handwritten.
11. Nothing should be written in this record other than the work assigned to him and matters related to that work.
12. It must be submitted to the concerned Teacher as and when required by him.
13. If needed, attach an extra sheet to this book, duly signed by the class teacher on each extra page.
14. Draw a neat and clean diagram wherever required.

### Name of Practical and Reference Formats

S. No.	Term	Name of Practical	Reference Format
1.	I	Organoleptic Observation of Advia Mufrada from Term I (any 15 of them should be attached)	I
2.		Observation of Salient features of the families with G tag photographs	
		(i) Observation of Salient features of the ASTERACEAE family with G tag photographs	II
		(ii) Observation of Salient features of the LABIATAE family with G tag photographs	II
3.		Observation of Microscopy of Root	
		(i) Transverse section (T.S.) of dicot Root	III
		(ii) Transverse section (T.S.) of monocot Root	III
4.		Observation of Microscopy of stem	
		(i) Transverse section (T.S.) of dicot Stem	III
		(ii) Transverse section (T.S.) of monocot Stem	III
5.		Observation of Microscopy of leaf	
		(i) Transverse section (T.S.) of dicot leaf	IV
		(ii) Transverse section (T.S.) of monocot leaf	V
6		Observation of underground stem and root modification	
		(i) Observation of underground stem modification with photographs	VI
		(ii) Observation of underground root modification with photographs	VI
7.		Educational Tour/Field visit/Herbal garden/Museum visit with G tag Photographs	
		(i) In-campus herbal garden/museum visit	VII
		(ii) Out campus visit	VIII
8.	Determination of Mizāj using Organoleptic Characters and physical properties (Minimum 10 drugs)	IX	
9	Organoleptic Observation of Advia Mufrada (any 20 of Term II)	X	
10	2	Observation of Salient features of the families with G tag photographs	
	(i) Observation of Salient features of the MALVACEAE family with G tag photographs	XI	
	(ii) Observation of Salient features of the APIACEAE family with G tag photographs	XI	
11	Powder microscopy of different barks		
	(i) Perform powder microscopy of <i>Indrajav Talkh</i> bark	XII	
	(ii) Perform powder microscopy of Taj Bark	XII	
	(iii) Perform powder microscopy of Dārchīnī bark	XII	
12	Market Survey of Crude Drugs	XIII	
13	Preparation of Herbarium Sheet	XIV	
14	Observation of Bark, Leaves, Flowers, and Seeds		
	(i) Observation of bark with photographs	XV	
	(ii) Observation of leaves with photographs		
	(iii) Observation of flowers with photographs		
	(iv) Observation of seeds with photographs		
15	3	Organoleptic Observation of Advia Mufrada (any 5 from each source, total 15 of Term III)	
	(i) 1-5 Mineral Origin	XVI	
	(ii) 1-5 Animal Origin		
	(iii) 1-5 Plant Origin		
16	Observation of Salient features of the FABACEAE family with G tag photographs	II	
17	Observation of Fruits with photographs	XV	
18	Preparation and Presentation of Poster (05), Chart (05), PPT (05) and Short videos (04) of given topics in the syllabus	XVII	
19	Drug Dispensing Observation at Hospital	XIII	

## Format-I

### Organoleptic Observation of *Advia Mufrada*

<b>Objective</b>	
<b>Name of Drug</b>	
<b>Botanical Name</b>	
<b>Part of plant</b>	
<b>Shape</b>	
<b>Size</b>	
<b>Colour</b>	
<b>Taste</b>	
<b>Odour</b>	
<b>External touch</b>	
<b>Fracture &amp; Internal Colour</b>	
<b>Sample of the drug</b>	

**Format-II**

**Observation of Salient features of the families**

**Name of Practical:**

**Objective:**

**Requirement:**

**Observation:**

**Leaves**

.....  
.....

**Stem**

.....  
.....

**Flower**

.....  
.....

**Seeds**

.....  
.....

**G tag photograph**

**Student's Signature**

**Teacher's Signature**



**Format-III**

**Observation of Microscopy of stem**

**Name of Practical:**

**Objective:**

**Requirement:**

**Observation:**

**EPIDERMIS**

.....  
.....

**CORTEX**

.....  
.....

**ENDODERMIS**

.....  
.....

**HARD BAST**

.....  
.....

**VASCULAR BUNDLE**

.....  
.....

**PITH**

.....  
.....

**DISTINGUISHING CHARACTERS**

.....  
.....

**Figure**

**Student's Signature**

**Teacher's Signature**

**Format-IV**

**Observation of Microscopy of dicot leaf**

**Name of Practical:**

**Objective:**

**Requirement:**

**Observation:**

**UPPER EPIDERMIS:**

.....  
.....

**LOWER EPIDERMIS:**

.....  
.....

**MESOPHYLL:**

.....  
.....

**Figure**

**Student's Signature**

**Teacher's Signature**

**Format-V**

**Observation of Microscopy of monocot leaf**

**Name of Practical:**

**Objective:**

**Requirement:**

**Observation:**

**EPIDERMIS:**

.....  
.....

**MESOPHYLL:**

.....  
.....

**VASCULAR BUNDLES:**

.....  
.....

**Figure**

**Student's Signature**

**Teacher's Signature**

## **Format-VI**

### **Observation of underground stem and root modification**

**Name of Practical:**

**Objective:**

**Requirement:**

**Observation:**

**Figure**

**Student's Signature**

**Teacher's Signature**

**Format-VII  
In-Campus Visit**

**Name of Practical:**

**Objective:**

**Date & Time of Visit:**

**Place of Visit:**

<b>Date</b>	<b>Sl. No</b>	<b>Classical Name / common Name</b>	<b>Botanical Name</b>	<b>Family</b>	<b>Key Points/Synonyms</b>	

**Conclusion:**

**Student's Signature**

**Teacher's Signature**

**Format-VIII**  
**Out Campus visit**

**Name of Practical:**

**Objective:**

**Date & Time of Visit:**

**Place of Visit:** Cultivated garden / Tissue Culture Lab / Herbaria / Pharmacognosy Lab / Quality Control Lab / In-situ and Forest Plants demonstration (Tick appropriate)

**Observations:**

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.....

**Out Come:**

.....

.....

.....

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.....

**Geotagged Photograph**

**Student's signature**

**Staff Signature**

## Format-IX

### Determination of Mizāj using Organoleptic Characters and physical properties

Name of Practical:

Objective:

Observation:

#### (i) Organoleptic Characters

Rang (Colour)	
Bu (Smell)	
Mazā (Taste)	

#### Physical properties

Injimād (condensation)	
Rutūbat (moisture)	
Taḥallul (dissolution)	
Luzūjat (stickiness)	
Sakhāfat (brittleness)	
Laṭāfat (softness)	
Iḥtirāq (flammability)	
Takhalkhul (Sponginess)	
Wazn (weight)	

#### Result & Discussion

.....  
.....

#### Conclusion:

.....  
.....

Student's Signature

Teacher's Signature

## Format-X

### Organoleptic Observation of Advia Mufrada

**Name of Practical:**

**Objective:**

**Observation:**

Name of Drug	
Botanical Name	
Part of plant	
Shape	
Size	
Colour	
Taste	
Odour	
External touch	
Fracture & Internal Colour	
Sample of the drug	

**Student's Signature**

**Teacher's Signature**



**Format-XI**

**Observation of Salient features of the families**

**Name of Practical:**

**Objective:**

**Observation:**

**Leaves**

.....  
.....

**Stem**

.....  
.....

**Flower**

.....  
.....

**Seeds**

.....  
.....

**G tag photograph**

**Conclusion**

**Student's Signature**

**Teacher's Signature**

**Format-XII**  
**Powder microscopy**

**Name of Practical:**

**Objective:**

**Requirement:**

**Observation:**

**Preliminary observation**

.....  
.....

**Preparation of Microscopic Mount**

.....  
.....

**Structures present**

.....  
.....

**Figures**

**Conclusion**

**Student's Signature**

**Teacher's Signature**

**Format-XIII**

**Market Survey of Crude Drugs/ Drug Dispensing Observation at Hospital**

**Name of Practical:**

**Objective:**

**Date & Time of Visit:**

**Observations:**

.....  
.....

**Out Come:**

.....  
.....

**Geotagged Photograph**

**Signature of the student**

**Teacher's Signature**

## Format-XIV

### Preparation of Herbarium Sheet

(to be maintained separately with the following contents)

**College Name & Address**

**Student Name**

**Roll No.**

**Date**

**Name of Specimen:**

<b>SPECIMEN</b>	<b>Botanical Name</b>
	<b>Family</b>
	<b>Unani Name (Mutarādifāt)</b>
	<b>Habitat:</b>
	<b>Place of collection:</b>
	<b>Date &amp; Time of Collection:</b>
	<b>Diagnostic Characters:</b>
	<b>Afa'al wa Khawas:</b>
	<b>Uses:</b>
	<b>Chemical Constituents/Active Principles:</b>
	<b>Collected by (Name)</b>

**Student's Signature**

**Teacher's Signature**

**Format-XV**

**Observation of Bark, Leaves, Flowers, and Seeds**

**Name of Practical:**

**Objective:**

**Requirement:**

**Observation:**

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.....

.....

**Figure**

**Student's Signature**

**Teacher's Signature**

## Format-XVI

### Organoleptic Observation of Advia Mufrada (Any 5 from each source, total 15 of Term III)

Name of Drug	
English Name	
Chemical/Zoological/Botanical Name	
Shape	
Size	
Colour	
Taste	
Odour	
External touch	
Fracture & Internal Colour	
Sample of the drug	

Student's Signature

Teacher's Signature

**Format-XVII**

**Preparation and Presentation of Poster (05), Chart (05), PPT (05) and Short videos (04) of given topics in the syllabus**

Name of the Department and college

Title of the Chart/Poster

**Name of the Student**

**Name of the teacher**

**Name of the head of the Department**