



**GOVERNMENT MEDICAL COLLEGE & HOSPITAL  
SECTOR-32, CHANDIGARH**

**LOGBOOK**

**Phase-II MBBS**

**Batch - 2024**

Paste  
Passport  
Size Photo

**PERSONAL DETAILS**

Name of the Student	
Class Roll No.	
Date of Admission to MBBS Course	
Date of beginning of the Phase II	
University Registration Number	
Permanent Address	
Present Address	
Email ID	
Mobile Number	
Parents/Guardian Email ID	
Parents/Guardian Mobile No.	

This is to certify that the student Mr. / Ms. \_\_\_\_\_ has

Satisfactorily completed requirements including certifiable competencies as prescribed by National Medical Commission, for Phase 2 curriculum in the subject:

Subject	Subjects that are having University Examination in Phase II			Modules across all phases	
	Pathology	Pharmacology	Microbiology	AETCOM	Pandemic Module
HOD Sign/ Date & remarks if any					

**Subjects that will go on to the next phase and not having university examination in this phase**

Subject	Forensic Medicine and Toxicology	Community Medicine	General Medicine	General Surgery	Obstetrics Gynecology
HOD Sign/ date & Remarks if any					
Subject	Pediatrics	Orthopedics	Dermatology	Dentistry	SKILLS LAB
HOD Sign/ date & remarks if any					

## **LOG BOOK CERTIFICATE**

This is to certify the candidate Mr./Ms. ..... Roll No..... admitted in the year 2024-25 in the Government Medical College & Hospital, Sector-32, Chandigarh has satisfactorily completed all assignments /requirements mentioned in this logbook for Second year MBBS course in the subject (s) of Pathology / Pharmacology / Microbiology / AETCOM / other requirements during the period from.....to.....

She/ He is eligible to appear for the MBBS Second Professional (Phase II) Final (Summative) Examination of the Panjab University for the session\_\_\_\_\_.

Professor In-charge Academics (PIA)

Place:

Date:

Director Principal

**\*In case student was not eligible in first attempt, this certificate is to be filled, citing the reasons, remedial measures, and time frame for review of eligibility after remedial measures**

This is to certify that Mr. / Ms. \_\_\_\_\_ is not eligible to appear for the MBBS Second Professional (Phase II) Final Examination of the Panjab University Session \_\_\_\_\_

The reasons for the ineligibility are:

The remedial measures suggested are:

The time frame for the next review is by:

Subject	Pathology	Pharmacology	Microbiology
Signature of Faculty In charge			
Signature of Head of the Department			

Professor In-charge Academics (PIA)

Place:

Date:

Director Principal

## **GENERAL INSTRUCTIONS**

1. The logbook is a verified record of the academic/co-curricular activities of the student, who would be responsible for maintaining his/her logbook.
2. The student is responsible for getting the entries in the logbook verified by the faculty in-charge regularly.
3. Entries in the logbook will reflect the activities undertaken in the department(s) & are to be scrutinized by the faculty in-charge of the concerned department.
4. The logbook includes a record of various activities by the student like:
  - Attendance
  - Record of completion of pre-determined activities
  - Acquisition of selected certifiable competencies
  - Timely completions
  - Quality of write-up of reflections
  - Overall participation & performance in sessions
5. The logbook is the record of work done by the candidate in that department and is an essential requirement towards eligibility for appearing in the summative university examinations.
6. The logbook should be verified by the college before submitting the application of the students for the University examination.

## REFLECTION WRITING BY STUDENT ON VARIOUS COMPONENTS

1. Students are required to write reflections on overall experience of the AETCOM modules, Pandemic Module, Self-directed Learning, (SDL), and Aligned Integrated Topics (AITo).
2. For reflections the following structure should be used:
  - What happened? (What teaching learning experience did you undertake)
  - What exactly happened (in your own words)? What did you observe? What was your reaction? What did other people do e.g. colleague, faculty? What are the key aspects of the situation?
  - So what? (What did you learn from this experience or what change did this session make in your learning of the subject)
  - What were you trying to achieve? What were the reasons for the way you responded? What beliefs and values influenced your actions? What assumptions did you make? What “good” emerged from the situation e.g. for self, others?
  - What next? (How will you apply this knowledge in future?)
  - What are the implications for you, others involved? What might you do differently if faced with a similar experience again? What would be the consequences of alternative actions for yourself, others? What are the best ways of getting further information about the experience should it rise again?

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## INSTRUCTIONS FOR COMPLETING CERTIFIABLE COMPETENCIES TABLES

- Column 1:

Attempt at activity by learner: Indicate if:

- a. First attempt (or) only attempt
- b. Repeat (R) of a previously done activity
- c. Remedial (Re)

- Column 2:

Rating - Use one of three grades:

- a. Below Expectation (B)
- b. Meet Expectation (M)
- c. Exceed Expectation (E)

- Column 3:

Decision of faculty

- a. C: activity is completed, therefore closed and can be certified, if needed
- b. R: Repeat
- c. Re: activity needs remedial action (usually done after repetition did not lead to satisfactory completion)

## PATHOLOGY

### Certifiable competencies as per regulations

1	2	3	4	5	6	7	8
Competency addressed	Name of Activity	Date completed:	Attempt at activity First or Only(F) Repeat(R) Remedial (RE)	Rating Below(B) expectations Meets(M) expectations Exceeds (E) expectations	Decision of faculty Completed (C), Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback Received Initial of learner

#### PA 13.4 Perform Hb estimation and Differential leucocyte count (4)

1	Hb and DLC						

#### PA 14.2,15.3 Identify and Describe the PBF findings in microcytic and macrocytic anemia (1)

2	PBF						

#### PA16.2 Identify and Describe the PBF findings in Hemolytic anemias (Sickle cell and thalassemia) (1)

3	PBF						

**PA21.6 Perform blood grouping and cross matching (1)**

4	Technique						

**PA 22.4,24.6 Interpret Liver Function Tests and viral hepatitis serology panel (4)**

5	LFT						

**PA 22.5 Interpret Renal Function tests (4)**

6	RFT						

**PA 35.3 Identify the etiology of meningitis based on given CSF parameters (1)**

7	CSF						

**SDL PATHOLOGY**

<b>Sr. No.</b>	<b>SDL Topic</b>	<b>Date</b>	<b>Faculty</b>	<b>Signature</b>
1	Embolism	(2 hours)		
2	Iron metabolism and microcytic hypochromic anemia	(2 hours)		
3	Pathogenesis of Alcoholic liver disease and cirrhosis	(2 hours)		
4	Diabetes mellitus	(2 hours)		
5	Etiopathogenesis and morphology of bone tumors	(2 hours)		

**Reflections by student on overall experience of SDL Pathology:**

**Attendance percentage SDL**

**Signature of HOD Pathology:**

## PHARMACOLOGY

### Certifiable competencies as per regulations

1	2	3	4	5	6	7	8
Competency addressed	Name of Activity	Date completed	Attempt at activity First or Only (F) Repeat (R) Remedial (Re)	Rating below (B) Expectations Meets (M) Expectations Exceeds (E) expectations OR Numerical Score	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback Received  Initial of learner

#### **PH 1.4**

**Identify the common drug formulations and drug delivery systems, demonstrate their use and describe their advantages and disadvantages**

1							

#### **PH 1.5**

**Describe various routes of drug administration, their advantages and disadvantages and demonstrate administration of, e.g., SC, IV, IM, SL, rectal, spinal, sublingual, intranasal sprays and inhalers**

1							
2							

<b>PH 1.12</b>							
<b>Define Pharmacovigilance its principles and demonstrate ADR reporting</b>							
<b>1</b>							
<b>2</b>							

<b>PH 10.1</b>							
<b>Compare and contrast different sources of drug information and update on latest information on drugs</b>							
<b>1</b>							
<b>2</b>							

<b>PH 10.9</b>		Calculate the dosage of drugs for an individual patient, including children, elderly, pregnant and lactating women and patients with renal or hepatic dysfunction.					
<b>1</b>							

**PH 10.15**

Describe methods to improve adherence to treatment and motivate patients with chronic diseases to adhere to the prescribed pharmacotherapy

1						
2						

**PH 10.2**

Perform a critical evaluation of the drug promotional literature and interpret the package insert information contained in the drug package

DPL 1						

**PH 10.13**

Demonstrate how to optimize interaction with pharmaceutical representative/media to get/disseminate authentic information on drugs

1							
2							

**PH 10.3****To prepare and explain a list of P-drugs for a given case/condition**

<b>List of P-drugs 1</b>						
<b>List of P-drugs 2</b>						

**PH 1.13****Identify and describe the management of drug interactions**

<b>1</b>							
<b>2</b>							

**PH 10.4****Describe parts of a correct, rational and legible prescription and write rational prescriptions for the provided condition. (examples of conditions to be used are given with other relevant competencies)**

<b>1</b>							
<b>2</b>							

<b>3</b>							

<b>4</b>							

  

<b>5</b>							

## SDL PHARMACOLOGY

Session No.	SDL Topic	Date	Faculty	Signature
1	<b>PH 10.5</b> Identify and apply the legal and ethical regulation of prescribing drugs especially when prescribing for controlled drugs, off-label medicines, and prescribing for self, close family and friends.	(2 hours)		
2	<b>PH 10.7</b> Describe Pharmacogenomics and Pharmacoeconomics and manage genomic & economic issues in drug use and find out the price of given medication(s).	(2 hours)		
3	<b>PH 9.4</b> Describe basics of vaccine use and types of vaccines.	(2 hours)		
4	<b>PH 9.5</b> Describe types, precautions and uses of antiseptics and disinfectants.	(2 hours)		
5	<b>PH 9.2</b> Describe management of common drug poisonings, insecticides, common stings and bites.	(2 hours)		

**Reflections by student on overall experience of SDL Pharmacology:**

**Attendance percentage SDL  
Signature of HOD Pharmacology:**

**20**

## MICROBIOLOGY

### Certifiable competencies as per regulations

1	2	3	4	5	6	7	8
Competency # addressed	Name of Activity	Date completed	Attempt at activity First or Only (F) Repeat (R) Remedial (Re)	Rating below (B) Expectations Meets (M) Expectations Exceeds (E) expectations	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback Received  Initial of learner

**MI 1.2 Perform and identify the different causative agents of infectious diseases by gram stain, ZN stain and stool routine microscopy (5)**

1	<b>Gram staining</b>						
2	<b>Stool routine microscopy</b>						
3	<b>ZN staining</b>						
4	<b>Stool routine microscopy</b>						
5.	<b>ZN Staining</b>						

**MI 6.2 Identify the common etiological agents of Upper respiratory tract infections (Gram Stain)**

1	Gram staining					
2	Gram staining					
3	Gram staining					

**MI 6.3 Identify the common etiological agents of Lower respiratory tract infections (Gram Stain and Acid fast staining)**

1	ZN Staining					
2	Gram Staining					
3	ZN Staining					

**M 8.7 Demonstrate infection control practices and use of Personal Protective Equipment  
(Hand Hygiene and PPE)**

<b>1</b>	<b>Hand Hygiene and PPE</b>					
<b>2</b>	<b>Hand Hygiene and PPE</b>					
<b>3</b>	<b>Hand Hygiene and PPE</b>					

### **SDL Microbiology**

<b>Sr. No.</b>	<b>SDL Topic</b>	<b>Date</b>	<b>Faculty</b>	<b>Signature</b>
1.	Antibiotic Stewardship I	( 2 hours)		
2.	Transfusion transmitted infections, and Post exposure prophylaxis- I	( 2 hours)		
3.	History and process of vaccine development	( 2 hours)		
4.	Cutting edge diagnostics-I	( 2 hours)		
5.	Bioterrorism	( 2 hours)		

**Reflections by student on overall experience of SDL Microbiology:**

**Attendance percentage SDL**

**Signature of HOD Microbiology:**

## AETCOM MODULE PHASE 2 MBBS

Sr. No.	AETCOM module no.	Topic	Attendance percentage	Signature of faculty
1	Module 2.1 (Microbiology)	The foundations of communication		
2	Module 2.2 (Pharmacology)	The foundations of bioethics		
3	Module 2.3 (Pharmacology)	Healthcare as a right		
4	Module 2.4 (Pathology)	Working in a health care team		
5	Module 2.5 (Pharmacology)	Bioethics Case Study: Introduction, Autonomy & Decision making		
6	Module 2.6 (Pathology)	Bioethics continued – Case studies on autonomy and decision making		
7	Module 2.7 (Pathology)	Bioethics continued – Case Studies on autonomy and decision making		
8	Module 2.8 (Microbiology)	What does it mean to be family member of sick patient?		

**Reflections by student on overall experience of AETCOM:**

**Signature Coordinator AETCOM Module:**

## PANDEMIC MODULE

S. No.	PANDEMIC Module No. and Name	Topic	Department	Attendance percentage	Signature of Teacher-in-charge/ remarks if any
1	Module 2.1	Infection control: Part II Airborne Precautions Contact Precautions Infection Control Committee	Microbiology		
2	Module 2.2	Emerging and Re-emerging Infections, Early identification and control of new infections	Community Medicine		
3	Module 2.3	Sample collection, microbial diagnosis, Serological tests and their performance parameters	Microbiology		
4	Module 2.4	Vaccination strategies including vaccine development and implementation	Community Medicine, Biochemistry		
5	Module 2.5	Therapeutic strategies including new drug development	Pharmacology, General medicine		

**Reflections by student on overall experience of Pandemic Module:**

**Signature Coordinator Pandemic Module:**

### **ALIGNED AND INTEGRATED TOPICS (AITo)**

Topics for Integrated Learning (AITo)		Primary Department for AITO	Signature of Faculty Coordinator
1.	Anemia	Pathology	
2.	Hypertension	Pharmacology	
3.	Ischemic Heart Disease / Myocardial Infarction	Pathology	
4.	Tuberculosis	Microbiology	
5.	Thyroid Disease	Pharmacology	
6.	Diabetes Mellitus	Pharmacology	

**Reflections by student on overall experience of AITo:**

**Signature Coordinator AITo:**

## **FORENSIC MEDICINE**

### **SDL Forensic Medicine**

<b>Sr. No.</b>	<b>SDL Topic</b>	<b>Date</b>	<b>Faculty</b>	<b>Signature</b>
1	General principles of Analytical Toxicology (4hrs)	(4 hours)		
2	Anaesthetics and muscle relaxants (4hrs)	(4 hours)		

**Reflections by student on overall experience of SDL Forensic Medicine:**

**Attendance percentage SDL:**

**Signature of HOD Forensic Medicine:**

## COMMUNITY MEDICINE

### SDL Community Medicine

<b>Sr. No.</b>	<b>Topic</b>	<b>Date</b>	<b>Faculty</b>	<b>Signature</b>
1	Describe the aetiology and basis of water borne diseases /jaundice /hepatitis /diarrheal diseases  Session 1 Session 2			
2	Define and describe common nutrition related health disorders (including macro-PEM, Micro-iron, Zn, iodine, Vit. A), their control and management  Session 1 Session 2			
3	Plan and recommend a suitable diet for the individuals and families based on local availability of foods and economic status, etc in a simulated environment  Session 1 Session 2			
4	Recommend a dietary plan for a person with DM/ HTN/ Obesity in a simulated environment/FAP/Clinical posting  Session 1 Session 2			
5	Describe local customs and practices during pregnancy, child birth, lactation and child feeding practices  Session 1 Session 2			

**Reflections by student on overall experience of SDL Community Medicine:**

**Attendance percentage SDL:**

**Signature of HOD Community Medicine:**

## **COMMUNITY MEDICINE**

Write initials (not names) and ID of cases / visits and the diagnosis / learning topic during each encounter including family adoption programme.

1

2

3

4

5

6

**Reflections on 'Learner doctor method of clinical training' in  
Community Medicine:**

**Attendance in lectures:**

**Attendance in clinical postings:**

**Teacher In-charge/HOD Sign/date:**

## **GENERAL MEDICINE**

Write initials (not names) and ID of cases / visits and the diagnosis / learning topic during each encounter

1

2

3

4

5

6

**Reflections on ‘Learner doctor method of clinical training’ in General Medicine:**

**Attendance in lectures:**

**Attendance in clinical postings:**

**Teacher In charge/HOD Sign/date:**

**39**

## **GENERAL SURGERY**

Write initials (not names) and ID of cases / visits and the diagnosis / learning topic during each encounter1

1

2

3

4

5

6

**Reflections on 'Learner doctor method of clinical training' in General Surgery:**

**Attendance in lectures:**

**Attendance in clinical postings:**

**Teacher In-charge / HOD Sign/Date**

## **OBSTETRICS &GYNAECOLOGY**

Write initials (not names) and ID of cases / visits and the diagnosis / learning topic during each encounter

1

2

3

4

5

6

**Reflections on ‘Learner doctor method of clinical training’ in Obstetrics and Gynaecology:**

**Attendance in lectures:**

**Attendance in clinical postings:**

**Teacher Incharge/HOD Sign/date**

**43**

## **PEDIATRICS**

Write initials (not names) and ID of cases / visits and the diagnosis / learning topic  
during each encounter

1

2

3

4

5

**Reflections on ‘Learner doctor method of clinical training’ in Pediatrics:**

**Attendance in lectures:**

**Attendance in clinical postings:**

**Teacher Incharge/HOD Sign/date**

**45**

## **ORTHOPEDICS**

Write initials (not names) and ID of cases / visits and the diagnosis /

Learning topic during each encounter

1

2

3

4

**Reflections on ‘Learner doctor method of clinical training’ in Orthopedics:**

**Attendance in lectures:**

**Attendance in clinical postings:**

**Teacher Incharge/HOD Sign/date**

## **DERMATOLOGY**

Write initials (not names) and ID of cases / visits and the diagnosis /learning topic  
during each encounter

1

2

3

4

**Reflections on 'Learner doctor method of clinical training' in Dermatology:**

**Attendance in clinical postings:**

**Teacher Incharge/HOD Sign/date**

**49**

## **DENTISTRY**

Write initials (not names) and ID of cases / visits and the diagnosis /

learning topic during each encounter

1

2

3

4

**Reflections on ‘Learner doctor method of clinical training’ in Dentistry:**

**Attendance in clinical postings:**

**Teacher Incharge/HOD Sign/date**

**51**

## **SIMULATION AND VIRTUAL LAB**

1.

2.

3.

4

## **Reflections on: SIMULATION AND VIRTUAL LAB**

**Attendance:**  
**Teacher Incharge/HOD Sign/date**

## **SPORTS**

Students are required to mention the events they participated in and awards if any (Sports Day, Indoor games, Euphoria, Inter College Tournament etc).

<b>Date</b>	<b>Name of the Event</b>	<b>Name of the activity</b>	<b>Inter college/intra college</b>	<b>Award if any</b>	<b>Signature of Faculty Incharge</b>

### **EXTRA-CURRICULAR ACTIVITIES**

<b>Date</b>	<b>Name of the Event</b>	<b>Name of the activity</b>	<b>Inter college/intra college</b>	<b>Award if any</b>	<b>Signature of Faculty Incharge</b>

**GOVERNMENT MEDICAL COLLEGE & HOSPITAL  
SECTOR-32, CHANDIGARH**

**Department of Pathology**

Faculty : MBBS | Year/Phase -II | Date : \_\_\_/\_\_\_/\_\_\_

			Formative Assessment Theory		Continuous Internal assessment Theory							
S.No.	Roll No.	Name of student	1 <sup>st</sup> PCT theory	2 <sup>nd</sup> PCT theory	Prelims Theory (Paper I & II)	Home assignment	Continuous Class test (LMS)	Seminar	Museum study	Library assignments	Attendance Theory	Total
								Self directed learning				
			100	100	200	15	30	15	15	15	10	500

Professor & Head  
Department of \_\_\_\_\_  
Name of Institute

**GOVERNMENT MEDICAL COLLEGE & HOSPITAL  
SECTOR-32, CHANDIGARH**

**Department of Pathology**

Faculty : MBBS	Year/Phase - II	Date : _____/_____/_____
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			Formative Assessment			Continuous Internal assessment (Practical)						
S.No.	Roll No.	Name of student	1 <sup>st</sup> PCT practical / First ward leaving Examination	2 <sup>nd</sup> PCT Practical / Second ward leaving Examination	Prelims Practical	Log book (150)				Journal (Record book/ Portfolio)	Attendance (Practical)	Total
			Certifiable skill based competencies (through OSPE/OSCE/ Spots/ Exercises/ Other)	AETCOM Competencies	SVL Lab activity	Research						
			100	100	100	60	30	40	20	40	10	500

Professor & Head  
Department of \_\_\_\_\_  
Name of Institute \_\_\_\_\_

**GOVERNMENT MEDICAL COLLEGE & HOSPITAL  
SECTOR-32, CHANDIGARH**

**Department of Pharmacology**

Faculty : MBBS	Year/Phase -II										Date : ___/___/___
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			Formative Assessment Theory			Continuous Internal assessment Theory						
S.No.	Roll No.	Name of student	1 <sup>st</sup> PCT theory	2 <sup>nd</sup> PCT theory	Prelims Theory (Paper I & II)	Home assignment	Continuous Class test (LMS)	Seminar	Museum study	Library assignments	Attendance Theory	Total
								Self directed learning				
			100	100	200	15	30	15	15	15	10	500

Professor & Head  
Department of \_\_\_\_\_  
Name of Institute \_\_\_\_\_

**GOVERNMENT MEDICAL COLLEGE & HOSPITAL**  
**SECTOR-32, CHANDIGARH**

**Department of Pharmacology**

Faculty : MBBS	Year/Phase - II		Date : ____/____/_____
----------------	-----------------	--	------------------------

			Formative Assessment		Continuous Internal assessment (Practical)							
S.No.	Roll No.	Name of student	1 <sup>st</sup> PCT practical / First ward leaving Examination	2 <sup>nd</sup> PCT Practical / Second ward leaving Examination	Prelims Practical	Log book (150)			Journal (Record book/ Portfolio)	Attendance (Practical)	Total	
			Certifiable skill based competencies (through OSPE/OSCE/ Spots/ Exercises/ Other)	AETCOM Competencies	SVL Lab activity	Research						
			100	100	100	60	30	40	20	40	10	500

Professor & Head

Department of

Name of Institute

**GOVERNMENT MEDICAL COLLEGE & HOSPITAL**  
**SECTOR-32, CHANDIGARH**

**Department of Microbiology**

Faculty : MBBS	Year/Phase -II									Date : ___/___/___
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			Formative Assessment Theory			Continuous Internal assessment Theory						
S.No.	Roll No.	Name of student	1 <sup>st</sup> PCT theory	2 <sup>nd</sup> PCT theory	Prelims Theory (Paper I & II)	Home assignment	Continuous Class test (LMS)	Seminar	Museum study	Library assignments	Attendance Theory	Total
								Self directed learning				
			100	100	200	15	30	15	15	15	10	500

Professor & Head  
 Department of \_\_\_\_\_  
 Name of Institute \_\_\_\_\_

**GOVERNMENT MEDICAL COLLEGE & HOSPITAL**  
**SECTOR-32, CHANDIGARH**

**Department of Microbiology**

Faculty : MBBS	Year/Phase - II		Date : ____/____/_____
----------------	-----------------	--	------------------------

			Formative Assessment		Continuous Internal assessment (Practical)							
S.No.	Roll No.	Name of student	1 <sup>st</sup> PCT practical / First ward leaving Examination	2 <sup>nd</sup> PCT Practical / Second ward leaving Examination	Prelims Practical	Log book (150)			Journal (Record book/ Portfolio)	Attendance (Practical)	Total	
			Certifiable skill based competencies (through OSPE/OSCE/ Spots/ Exercises/ Other)	AETCOM Competencies	SVL Lab activity	Research						
			100	100	100	60	30	40	20	40	10	500

Professor & Head  
 Department of \_\_\_\_\_  
 Name of Institute \_\_\_\_\_

