



**Government Medical College & Hospital
Sector 32, Chandigarh**

LOG BOOK

**Phase 1 MBBS
Batch 2024
Physiology**

PERSONAL DETAILS

Paste passport size picture

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

LOGBOOK CERTIFICATE

This is to certify that the candidate Mr/Ms

Roll No..... admitted in the year 2024 in the Government Medical College & Hospital, Sector 32 Chandigarh has satisfactorily completed / has not completed all assignments /requirements mentioned in this logbook for first year MBBS course in the subject(s) of Physiology/Foundation Course/ AETCOM/others during the period fromto..... She / He is / is not eligible to appear for the summative (Panjab University) final examination session _____

	Physiology
Signature of Faculty In-charge	
Signature of Head of the Department	

Place:

Countersigned by Director Principal

Date:

In case student was not eligible in first chance,
review of eligibility after remedial measures

This is to certify that She / He is / is not eligible to appear for the summative (Panjab University) final examination session _____ due to the following reasons.....

.....

	Physiology
Signature of Faculty In-charge	
Signature of Head of the Department	

Place:

Countersigned by Director Principal

Date:

Note: Number of attempts allowed to pass Phase 1: 04 attempts and the total period for successful completion of First professional course shall not exceed 4 years.

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 & are to be scrutinized by the faculty in-charge of the concerned department and verified by the Head of the 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 Foundation Course, Early Clinical Exposure (ECE), AETCOM modules, Humanities, Pandemic Module, Self-Directed Learning (SDL), and Aligned Integrated Topics (AITo) and extracurricular activities including sports and physical education.

2. For reflections the following structure should be used:

• **What happened?** (What teaching learning experience did you undertake, How did the teaching learning experience appear to you ?)

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? How do you think this experience will influence your development into a better doctor/ human being and what steps will you take to achieve this?)

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 arise again?

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FOUNDATION COURSE

Reflections by student on overall experience:

Signature: Coordinator Foundation Course

Attendance percentage:

Signature Dean / PIA

PHYSIOLOGY

AETCOM MODULE PHASE 1 MBBS PHYSIOLOGY

S No	AETCOM Module No.	Topic	Attendance percentage	Signature of Faculty In-Charge
1	Module 1.2	What it means to be a patient		
2	Module 1.3	The doctor-patient relationship		

Reflections by student on overall experience of AETCOM:

Signature Coordinator AETCOM

ALIGNED INTEGRATED TOPICS

S. No	AITo	Signature Faculty Coordinator
1	Anemia	
2	CAD/MI	

Reflections by student on overall experience of AITo:

Signature Coordinator AITo

EARLY CLINICAL EXPOSURE

PHYSIOLOGY

Early Clinical Exposure Topic	Setting	Correlation	Date	Signature of Faculty
	Classroom/ Hospital/ Community	Basic Science/ Clinical Skills		
PY 3.5 Discuss applied aspects of neuromuscular junction: Myasthenia graves Lambert Eaton Syndrome and neuromuscular blocking agents				
P.Y. 5.5 Describe the physiology of ECG, the cardiac axis and its application				
P.Y. 5.7 Discuss Hemodynamics of circulatory system				
PY 7.8 Discuss various RFTs with its physiological significance and clinical implications of renal clearance				
PY 8.3 Describe the synthesis, secretion, transport, physiological action, regulation and effects of altered (hyper and hypo) secretion of thyroid gland including thyroid function test				
PY 9.6 Enumerate male and female contraceptive methods rationale of its prescription, side effects and its advantages and disadvantages				
PY 10.10 Discuss type and clinical features of spinal cord divisions, complete transactions and hemi-section (Brown Sequard Syndrome)				
PY 11.6 Discuss physiology of image formation, reflective errors and physiological principles of its management				
PY 12.5 Describe physiology of infancy, interpret growth charts and anthropometric assessments of infants				

Attendance percentage

Signature of Faculty In-Charge

Reflections by student on overall Early Clinical Exposure learning experience:

Signature of HOD Physiology

SELF DIRECTED LEARNING PHYSIOLOGY

Session No	SDL Topic	Date	Signature of Faculty In-charge of SDL topic
1	PY 4.11 Describe the functional anatomy of the digestive system		
2	PY 5.4 Discuss the Physiological events occurring during the cardiac cycle, concurrent pressure volume changes, generation of heart sounds and murmur		
3	PY 7.4 Describe the mechanism of urine concentration and dilution (Counter current multiplier and exchanger)		
4	PY 8.1 Describe the functional anatomy endocrine glands, mechanism of hormone action (steroid and peptide) and hypothalamus pituitary axis (HPA)		
5	PY 9.7 Discuss the physiology of pregnancy, parturition and lactation		

Attendance Percentage in SDL:

Reflections by student on overall experience:

Signature of faculty In-charge

Signature of HOD Physiology

CERTIFIABLE COMPETENCIES

Subject: Physiology Phase I MBBS

1	2	3	4	5	6	7	8
Competency No.	Name of Activity	Date	Attempt at activity F: First R: Repeat Re: Remedial	Rating B: Below expectations M: Meets expectation E: Exceeds Expectations	Decision of faculty C: Completed R: Repeat Re: Remedial	Initial of faculty and date	Feedback Received Initial of learner
PY 2.11	Estimate						
	a)Hb						
	b)RBC						
	c)TLC						
	d)DLC						
	e) Blood groups						
	f) BT/CT						
	g) RBC indices						
PY 3.11	Perform ergography and calculate the work done by a skeletal muscle						
PY 4.12	Obtain relevant history and conduct general and clinical examination of the abdomen in a normal volunteer or simulated environment						
PY 5.14	Record blood pressure & pulse in a volunteer or simulated environment at						
	a) Rest						
	b) In isometric exercise						
	c) In isotonic exercise						
	d)) In different postures						

Competency No.	Name of Activity	Date	Attempt at activity F: First R: Repeat Re: Remedial	Rating B: Below expectations M: Meets expectation E: Exceeds Expectations	Decision of faculty C: Completed R: Repeat Re: Remedial	Initial of faculty and date	Feedback Received Initial of learner
PY 5.15	Record and interpret normal ECG in a volunteer or simulated environment						
PY 5.16	Obtain relevant history and conduct general and clinical examination of the cardiovascular system in a normal volunteer or simulated environment						
PY 6.10	Perform spirometry and interpret the findings (Digital/Manual)						
PY 6.12	Obtain relevant history and conduct general and clinical examination of the respiratory system in a normal volunteer or simulated environment						
PY 10.19	Obtain relevant history and conduct general and clinical examination of the nervous system in a normal volunteer or simulated environment						
	a) Higher functions						
	b) Sensory system						
	c) Motor system						
	d) Reflexes						
PY 10.20	Obtain relevant history and conduct general and clinical examination of the cranial nerves in a normal volunteer or simulated environment						
	a) CN 1 & 2						
	b) CN 3, 4, 6						
	c) CN 5,7						
	d) CN 8						
	e) CN 9-12						

Signature HOD Physiology

EXTRA
CURRICULAR
ACTIVITIES

SEMINARS, PROJECTS, QUIZZES, POSTERS

S. No	Date	Name of activity	Signature of Teacher- in- charge/
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

SPORTS

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

Date	Name of the Event	Name of the sports activity	Inter-college/ Intra-college	Award If Any	Signature of the Faculty In-charge

EXTRA-CURRICULAR ACTIVITIES

Date	Name Of the Event	Name of the activity	Inter-college/ Intra-college	Award If Any	Signature of the Faculty Incharge

FINAL SUMMARY

Description		Attendance		Status	Signature of the Faculty In charge
		Required %age	Satisfactory/ Not satisfactory	Complete/ Incomplete	
Foundation Course		75%			
Physiology	Theory	75%			
	Practical	80%			
	AETCOM Module 1.2, 1.3	75%			
	Certifiable competencies	100%			

END NOTE: Students may maintain a portfolio of their personal achievements and learning in a separate document or as a continuation of this log-book.