



UNDERGRADUATE (MBBS) ASSESSMENT RECORD

Physiology



**The Tamil Nadu Dr. M.G.R. Medical University
Chennai**

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**Under Graduate (MBBS)
Assessment Record
Department of Physiology**

PREFACE

Competency based medical education implemented in 2019 by the TN Dr. MGR Medical University as per the then MCI norms is an outcome-based learning on a framework of competencies. Assessment drives learning and summative assessment is the domain of the university. Hence the assessment record is reframed according to the new NMC guidelines i.e. Competency Based Medical Education Curriculum (CBME) Guidelines. There is a need for a robust and multifaceted assessment system encompassing all the domains of learning. Longitudinal uniform standardized assessment of all the curriculum components is mandatory to improve the quality of output in creating a responsible Indian Medical Graduate.

Consequently, this assessment record will be instrumental in

- Deciding if the learner has acquired the mandated competencies in each phase
- Monitoring the progress of the learner in the corresponding domains
- Identifying the slow learners and gaps in learning
- Focusing on the domains where special attention is needed

This assessment record is designed to collect and analyze data of a student's learning process in attaining the required competency and the learner's stage of training, based on the use of knowledge, technical skills, clinical reasoning, communication, emotions, values and reflection continuously and consistently and not isolated to the final examination.

As given in the CBME regulations, continuous class room assessment for all teaching learning activities will be documented in this assessment record. There will be more emphasis on the day-to-day teaching-learning activities which will help to identify slow learners at the earliest and support them through effective Mentor-Mentee programs. The University mandates to conduct 8 internal assessments in each subject.

This assessment record for the undergraduates is to be maintained by the faculty of the concerned department and shall be shown to the student during the feedback sessions and at the end of the course period. The Assessment Record should be retained in the department until the student completes the course.

CURRICULUM VITAE

Name of Student											
Date of commencement of phase 1											
Name of Parent/Guardian											
Date of Birth & Age											
Permanent Address											
Address for Postal Communication											
Mobile Phone (Parent/Guardian)											
Mobile Phone (Parent/Guardian)											
Mobile Phone (Student)											
Email ID (Parent/Guardian)											
Email ID (Student)											

Paste recent
passport size photo

Signature of Student

DISTRIBUTION OF SUBJECT WISE TEACHING HOURS

Subject	Large group teaching	SGT/ Practical/ Tutorials/ Seminars	SDL	Total
Foundation Course				80
Anatomy	180	430	10	620
Physiology	130	305	10	445
Biochemistry *	82	157	10	249
Early Clinical Exposure (ECE)**	-	27	-	27
Community Medicine	20	20	-	40
Family adoption Program (FAP)	-	24	-	24
(AETCOM)***	-	26	-	26
Sports and extra-curricular Activities	-	-	-	10
Total	412	989	30	1521

SGT: Small group teaching, SDL: Self-directed learning

*Including Molecular Biology

**Minimum ECE hours. These hours are to be divided equally by anatomy, physiology & biochemistry.

***AETCOM module is a longitudinal programme.

CONSOLIDATED INTERNAL ASSESSMENT MARKS

THEORY AND PRACTICAL

Name of the Student:

THEORY								Total marks
IA-1	PCT-1	IA-II	PCT-II	Prelims	Continuous Class test	Seminar	SDL (Home assignment + Library assignment)	
10	10	10	10	20	20	10	10	

**PCT – Part Completion test*

PRACTICAL								Total marks
PCT-1	PCT -II	Prelims Practical	Certifiable skill- based competencies (Through OSPE/OSCE/Spots/ Exercise/Other)	AETCOM competencies	Record book	Research		
20	20	20	15	10	10	5		

**Professor & Head
Department of Physiology**

THEORY INTERNAL ASSESSMENT

Note:

- Internal assessment marks will reflect as separate head of passing at the summative examination. There shall be no less than three internal assessment examinations in each subject.
- Learners must secure at least 50% of the total marks (combined in theory and practical; not less than 40% marks in theory and practical separately) for internal assessment in a particular subject in order to be eligible for appearing at the final University examination of that subject.
- Part completion tests can be conducted half-yearly including all topics that has been taught in the time period before the test.
- The results of internal assessment should be displayed on the notice board within one week of the test.

FORMATIVE ASSESSMENT - THEORY

Date	Assessment	Topic	Marks obtained
	IA - 1		
IA – I Marks (out of 10)			
	PCT – I		
PCT – I Marks (out of 10)			
	IA - II		
IA – II Marks (out of 10)			
	PCT – II		
PCT – II Marks (out of 10)			
	Prelims	Paper I	
		Paper II	
		Total	
		Prelims Marks (out of 20)	

Signature of Facilitator

CONTINUOUS CLASS TEST

S. No.	Topic	Competency Nos.	Marks obtained
1	General Physiology		
2	Hematology		
3	Nerve and Muscle Physiology		
4	Cardiovascular Physiology		
5	Gastro-intestinal Physiology		
6	Renal Physiology		
7	Reproductive Physiology		
8	Respiratory Physiology		
9	Central Nervous System Physiology		
10	Endocrine Physiology		
11	Special senses		
12	Integrated Physiology		
Average Marks (out of 20)			

Signature of Facilitator

Note:

- Assessment methods may include end of Lecture class / Module Assessment: 5-8 MCQs solved over 5-8 minutes / very short answers etc.,
- Learning Management Systems like Google classroom, Moodle etc., can be used to assess students' performance on a day-to-day basis.

SEMINAR

Date	Topic	Marks obtained
Average Marks (out of 10)		

Signature of Facilitator

Note:

- Seminar topics can be allotted to students and they can present the topic based on which assessment can be made.

SELF DIRECTED LEARNING (Home assignment + Library assignment)

Date	Topic	Marks obtained
Average Marks (out of 10)		

Signature of Facilitator

Note:

- SDL can be based on library assignments and home assignments.
- Assignment topics can be given to students for which library books can be used as references.

PRACTICAL INTERNAL ASSESSMENT FORMATIVE ASSESSMENT

Date	Assessment	Topic	Marks obtained
	PCT– I		
PCT - I Marks (out of 20)			
	PCT – II		
PCT - II Marks (out of 20)			
	Prelims		
Prelims Marks (out of 20)			

Signature of Facilitator

CERTIFIABLE SKILL BASED COMPETENCIES

(For assessment refer NMC logbook guidelines)

Competency No.	Competency	Marks obtained (Out of 15)
PY 2.11	Estimate Hb, RBC, TLC, DLC, Blood groups, BT/CT, RBC indices	
PY 3.11	Perform Ergography and calculate the work done by a skeletal muscle	
PY 4.12	Obtain relevant history and conduct correct General and Clinical examination of the abdomen in a normal 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 5.14	Record pulse and blood pressure at rest in a normal volunteer or simulated environment	
PY 5.14	Record blood pressure during different grades of exercise and postures in a normal volunteer or simulated environment	
PY 5.15	Record and interpret normal ECG in a normal volunteer or simulated environment	
PY 6.12	Obtain relevant history and conduct correct General and Clinical examination of the respiratory system in a normal volunteer or simulated environment	

Competency No.	Competency	Marks obtained (Out of 15)
PY 6.10	Perform Spirometry and interpret the findings (Digital / Manual)	
PY 10.19	Obtain relevant history and conduct correct General and Clinical examination of the Higher functions and sensory system in a normal volunteer or simulated environment	
PY 10.19	Obtain relevant history and conduct correct General and Clinical examination of the motor system in a normal volunteer or simulated environment	
PY 10.19	Obtain relevant history and conduct correct General and Clinical examination of reflexes in a normal volunteer or simulated environment (Including Cerebellar function tests)	
PY 10.20	Obtain relevant history and conduct correct General and Clinical examination of the cranial nerves in a normal volunteer or simulated environment	
	Average Marks (out of 15)	

Signature of Facilitator

AETCOM COMPETENCIES

Date	Topic	Marks obtained
Average Marks (out of 10)		

- 75% attendance in Professional Development Programme (AETCOM Module) shall be mandatory for eligibility to appear for final examination in each professional year.

Assessment:

- Written tests comprising of short notes and creative writing experiences, OSCE based clinical scenarios / viva voce.

Signature of Facilitator

RECORD BOOK & RESEARCH

RECORD	Marks obtained (out of 10 marks)	
RESEARCH	Marks obtained (out of 5 marks)	

ATTENDANCE

No.	Details	Percentage of attendance
I.	Foundation Course (minimum 75 %) (Common for all 3 departments)	
II.	Theory	
III.	Practical	

Signature of Facilitator