



UNDERGRADUATE ASSESSMENT RECORD

Pharmacology



**The TN Dr.M.G.R Medical University
Chennai**

The TN Dr.M.G.R Medical University

Chennai



**Undergraduate Assessment Record
Department of Pharmacology**

Name of the College :
Academic year :
Name of the Student :
Registration No. :

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 dated 1st August 2023. 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, value and reflection continuously and consistently and not isolated to the final examination.

As given in the CBME 2023 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 Theory Internal Assessments & 4 Practical 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 (UPPER CASE ONLY)		Affix recent passport size photo									
Date of Commencement of Phase II											
Date of Birth & Age											
Name of Parent/Guardian											
Permanent Address											
Address for Postal Communication											
Aadhar number (Attach copy)											
Landline Phone (Home)											
Mobile Phone (Parent/Guardian)											
Mobile Phone (Parent/Guardian)											
Mobile Phone (Student)											
Email ID (Parent/Guardian)											
Email ID (Student)											

Signature of Student

Table No. 5 -Distribution of Subject Wise Teaching Hours for II MBBS

Subjects	Lectures	SGL	Clinical postings*	SDL	Total
Pathology	80	165	-	10	255
Pharmacology	80	165	-	10	255
Microbiology	70	135	-	10	215
Community medicine	15	0	0	10	25
FAP**	0	0	30	-	30
Forensic Medicine & Toxicology	12	22	-	08	42
Clinical subjects	59	-	540	-	599
AETCOM	-	29	-	8	37
Sports Yoga & Extra-curricular Activities	-	-	-	20	35
Pandemic Module				28	28
Formative Assessment and Term examinations					
Final total	316	516	585	104	1521

Ref: 1. UGMEB No.U.14021/08/2023 dated 01/08/2023 Pg.no. 70.

** 2. UGMEB No.U.14021/08/2023 dated 01/08/2023 Annexure no.3

Note : *Clinical postings shall be for 3 hours per day, Monday to Friday.

There will be 15 hours per week for all clinical postings.

Consolidated Internal Assessment Marks Theory

Name of Faculty /Facilitator:									
Name of the Student:									
Roll.No					University Reg.No				
I. Formative Assessment Theory			II. Continuous Internal Assessment						Total Marks
IA	I.B	I.C	II.A	II.B	<i>II.C Self Directed Learning</i>			II.D	500
PCT* 1 Theory	PCT* 2 Theory	Prelims Theory (Paper I&II)	Home Assign ment	Continuous class test (LMS**)	II.C.1 Seminar	II.C.2 Museum study	II.C.3 Library Assignment	Attendance Theory Min 75%	
100	100	200	15	30	15	15	15	10	

Consolidated Internal Assessment Marks Practical

III. Formative Assessment Practical			IV. Continuous Internal Assessment (Practical)						TOTAL MARKS
			IV.A Log Book (150)						
			IV.A.1	IV.A.2	IV.A.3	IV.A.4			
III.A PCT* 1 Practical	III.B PCT* 2 Practical	III.C Prelims Practical	Certifiable skill based (OSPE)	AETCOM competencies	SVL***/ CAL lab activity	Research	Journal	Attendance (Practical) Min 80%	
100	100	100	60	30	40	20	40	10	

Ref: UGMEB No.U.14021/08/2023 dated 01/08/2023 Annexure 2, Page 3&4

*PCT- Part Completion Test **LMS-Learning Management System

***SVL-Simulation Based Virtual Lab activity; CAL- Computer Assisted Learning

Signature of Professor& HOD
Department of Pharmacology

NOTE:

- There shall be a minimum of 75% attendance in theory and 80% in practical /clinical for eligibility to appear for the examinations in that subject. (No.U.14021/8/2023-UGMEB Dated 1st August 2023, Pg.No.55, 56)
- Internal assessment marks will reflect as separate head of passing at the summative examination(No.U.14021/8/2023-UGMEB Dated 1st August 2023, Pg.No.55, 56)
- 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. (No.U.14021/8/2023-UGMEB Dated 1st August 2023, Pg.No.55, 56)
- There shall be no less than three internal assessment examinations in each subject. The results of internal assessment should be displayed on the notice board within one week of the test. (No.U.14021/8/2023-UGMEB Dated 1st August 2023, Pg.No.55, 56)
- As per 59th, 60th and 61st Standing Academic Board (SAB) resolutions, the university mandates eight internal assessments per subject.

I. FORMATIVE ASSESSMENT-THEORY

Theory Assessment	Max Marks	Marks scored
GP, ANS		
CNS, PNS		
IA 1ST PCT	100	
CVS, BLOOD, DIURETICS		
RS, GIT, AUTACOIDS		
IB 2ND PCT	100	
ENDOCRINE		
CHEMO I		
CHEMO II		
MISCELLANEOUS		
I.C Model /Prelims Paper I & II	200	
TOTAL	400	

Signature of Facilitator

II. CONTINUOUS INTERNAL ASSESSMENT THEORY
(100 Marks)

II.A Home Assignments (15 Marks)

Note:

1. The assignment is preferably submitted in Hand Written format, than printed or typed version.
2. The structure for the assignment should include an introduction, main body of the assignment and a conclusion if it is an essay work.
3. Illustrations, flow charts, tables and graphs should be part of the submission where ever necessary.
4. Plagiarism should be discouraged.

***topics given are examples only**

No	Title of Assignment	MARKS (out of 15 marks)
1	Pharmacogenetics	
2	Drugs and Pregnancy	
3	Drug Interactions	
4	Laboratory Animals	
5	Recent advances in therapeutics – disease of choice	
Average		

Signature of Facilitator

**II.B CONTINUOUS CLASS TEST
(LEARNING MANAGEMNET SYSTEM)
(30 Marks)**

The Assessment Methods may include

- End of Lecture Class/Module Assessment:
- 5-15 MCQ's solved over 5-10 minutes
(OR) very short answer etc.
- Average of assessment at the end of each teaching session

S.No	Topic	Individual LMS Test Marks Range (5 to 15)	Calculate to (30 Marks)
1.	GP (minimum10 Marks)		
2.	ANS (minimum10 Marks)		
3.	PNS (minimum 5 Marks)		
4.	CNS (minimum 15 Marks)		
5.	CVS,BLOOD,DIURETICS (minimum 15 Marks)		
6.	RS,GIT (minimum 10 Marks)		
7.	AUTACOIDS(minimum 5 Marks)		
8.	ENDOCRINE(minimum 10 Marks)		
9.	CHEMOTHERAPY-I (minimum 10 Marks)		
10.	CHEMOTHERAPY-II (minimum 10Marks)		
TOTAL (100 Marks)			
Calculated Marks for 30			

Signature of Facilitator

II.C. SELF DIRECTED LEARNING (45 Marks)

No	ACTIVITY PRESENTED (OR) DISCUSSED	Max. Marks 45 (15 in each section)	Score
1	<p align="center">SEMINAR</p> <ul style="list-style-type: none"> • Content (7 Marks) • Recent advances (3) • Presenting skill (5) 	15	
2	<p align="center">MUSEUM STUDY (student groups will be given project to create model/charts)</p> <ul style="list-style-type: none"> • Application (5Marks) • Creativity (5) • Novelty (5) 	15	
3	<p align="center">LIBRARY ASSIGNMENTS</p> <p>Utilizing Resources of learning</p> <ul style="list-style-type: none"> • Treatment Protocol - Reference from standard Text Books (10Marks) • E- library access- FDA approved new drug (5) 	15	
	TOTAL	45	

Signature of Facilitator

III. FORMATIVE ASSESSMENT-PRACTICAL

Practical Assessment	Max Marks	Marks Scored
III.A PCT-1	100	
III.B PCT-2	100	
III.C Model /Prelims	100	
TOTAL	300	

Signature of Facilitator

IV. CONTINUOUS INTERNAL ASSESSMENT PRACTICAL

IV.A. LOG BOOK (150 MARKS)

IV.A.1 SKILL BASED COMPETENCIES (OSPE)				
Competency No.	Objectives for Assessment	Skill	Max marks	Score
PH.4.1	Parenteral <ul style="list-style-type: none"> • Select appropriate drug for the route. • Select the volume appropriate to the route • Demonstrate all the steps relevant to the skill . 	IV	10	
		IM	5	
		SC	5	
		ID	5	
Certifiable Skill Based Competencies				
PH.4.1	Demonstrate the technique of use of minimum 5 Device for special drug delivery	SDD	5	
PH 3.1	Minimum of 10 model exercise across the systems	PW	10	
PH 3.2	Minimum of 5 model exercise across the systems	PA	5	
PH.3.3	Minimum of 5 exercise in system therapeutics	DPL	5	
PH.3.5	Selection P-Drug for minimum 5 clinical scenario in therapeutics	P-Drug	10	
	TOTAL		60	

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**IV.A.2
AETCOM**

Competency No	Topic	Max 30 Marks	Score
PH.5.1	Communicate with the patient with respect empathy and ethics on all aspects of drug use.	2	
PH.5.2	Communicate with the patient regarding optimal use of a) drug therapy, b) devices c) storage of medicines	10	
PH.5.3	Motivate patients with chronic diseases to adhere to the prescribed management by the health care provider	5	
PH.5.4	Explain to the patient the relationship between cost of treatment and patient compliance	5	
PH.5.5	Demonstrate an understanding of the caution in prescribing drugs likely to produce dependence and recommend the line of management	3	
PH.5.6	Demonstrate ability to educate public and patients on drug dependence and OTC Drugs	3	
Ph.5.7	Demonstrate an understanding of legal and ethical aspects of prescribing drugs	2	
	TOTAL	30	

Signature of Facilitator

IV.A.3 SVL/ CAL Lab Activity (PH 4.2)			
Assessment level	Objective	Max 40 Marks	
Minimum of 3 exercise using CAL software	Able to interpret the response observed in vivo / isolated tissue with various drugs	15	
	Explain the response	15	
	Justify the findings /differentiate the other causes of same response	10	
TOTAL		40	

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IV.A.4 RESEARCH			
S.No.	Assessment Criteria*	Max 20 Marks	SCORE
1	Completed ICMR-STS project in Pharmacology	10	
2	Prepare Concept paper, protocol development,	5	
3	Participate in Sensitization CME in research ethics	5	
TOTAL			

Justification for Assessment Criteria: By giving difference in credit for every level of their effort students are motivated to get involved and show interest in research.

***Assessment Criteria**

- A student who attends CME, writes a Concept Paper, and does ICMR -STS will be credited full 20 marks.
- A student who attends CME in research methodology/biostatistics/Good Clinical Practice and writes a Concept Paper, but not done ICMR -STS Project will be credited 10 Marks.
- A student who attends CME in research methodology/biostatistics/Good Clinical Practice / but not written Concept Paper and not done ICMR -STS will be credited 5 Marks

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IV.B. JOURNAL			
S.No1	Assessment Criteria	Max 40 Marks	SCORE
1	Publication/Presentation of Poster / Paper conference in Pharmacology	20	
2	Presenting Synopsis of Review Article from any Journal- Topic of choice	10	
3	Presenting a case series/case report in SGD	10	
TOTAL			

Signature of Facilitator

ATTENDANCE RECORD

THEORY (II .D)

&

PRACTICAL (IV.C)

Details	Minimum % required	% of student	Max. 20 Marks	Score
Theory	75		10	
Practical	80		10	

Ref: (No.U.14021/8/2023-UGMEB Dated 1st August 2023, Pg.No.55, 56)

Signature of Facilitator

Signature with date & Seal of Head of the Department