

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

No.69, ANNA SALAI, GUINDY, CHENNAI – 600 032.

Website : www.tnmgrmu.ac.in
E-Mail : mail@tnmgrmu.ac.in

Ph. : 22353574, 22353576 – 79, 22301760 – 63, 22353094
Fax : 91-44-22353698

Dr. K SIVASANGEETHA, M.D.,
REGISTRAR (FAC)

Rc.No.ACI(4)/ 27369/2025

Dated:07.04.2026

To
All the Deans/Principals of PG Medical Pre & Para Clinical
Courses Institution of this University,

Sir/Madam,

Sub:	Academic – The Tamil Nadu Dr MGR Medical University, Chennai – Resolution of Standing Academic Board in Post Graduate Medical Pre & Para Clinical Courses held on 25.11.2025 – Communicated – Reg.
Ref: 1	Minutes of the Board of Studies Meeting of PG Medical Pre & Para Clinical Courses held on 07.11.2025.
2	Minutes of the 64 th Standing Academic Board meeting held on 25.11.2025.
3	Resolution No.47 passed by the Governing Council in its 311 th meeting held on 26.02.2026.

I am to inform you that, the minutes of the Board of Studies in Post Graduate Medical Pre & Para Clinical courses held on 07.11.2025 was recommended to the Standing Academic Board, in its 64th meeting held on 25.11.2025. The approvals of the Standing Academic Board was informed vide Resolution No.47 of the 311th meeting of the Governing Council held on 26.02.2026.

The Standing Academic Board has discussed and resolved the following points :

POINT NO. :1

TO DISCUSS AND DECIDE ON THE SUGGESTIONS OF DR.P.S.L.SARAVANAN, M.D., DIRECTOR & PROFESSOR, INSTITUTE OF PHYSIOLOGY, MADURAI MEDICAL COLLEGE, MADURAI AND THE MEMBER OF BOARD OF STUDIES IN PG MEDICAL PRE & PARA CLINICAL COURSES HAS FORWARDED THE FOLLOWING SUGGESTIONS FOR THE PG CURRICULUM / EXAMINATION FOR THE M.D.(PHYSIOLOGY).

The scheme of practical examination in **MD Physiology** shall be changed as follows:

DAY 1

Existing	Recommended
Animal Laboratory - 70 marks	Animal Laboratory - 50 marks
Long Experiment (Mammalian) - 40 marks	Long experiment (Mammalian) - 30 marks
Short Experiment (Amphibian) - 30 marks	Short experiment (Amphibian) - 20 marks

Existing	Recommended
Human Laboratory - 150 Marks	Human Laboratory - 170 marks
a) Clinical examination - 60 Marks	a) Clinical examination - 80 marks
Long (CNS) - 35 Marks	Long (CNS) - 35 marks
Short (CVS/RS) - 25 Marks	Short (CVS/RS) - 25 marks
	OSCE (4 stations x 5 marks) - 20 marks
b) Human Experiments - 60 Marks	b) Human Experiments - 60 marks
Human Experiment Recording - 35 Marks	Human Experiment recording - 35 marks
Interpretation of given recorded data - 25 Marks	Interpretation of given recorded data - 25 marks
c) Problem Solving Exercises - 30 Marks	c) Problem Solving Exercises - 30 marks
Case scenario - 15 Marks	Case scenario - 15 marks
Laboratory Values - 15 Marks	Laboratory Values - 15 marks

DAY 2

Existing	Recommended
HEMATOLOGY - 40 Marks	HEMATOLOGY - 40 marks
Major Experiment - 25 Marks	Major Experiment - 25 marks
Minor Experiment - 15 Marks	Minor Experiment - 15 marks
OSPE (5 stations x 4 marks) - 20 Marks	OSPE (4 stations x 5 marks) - 20 marks
Dissertation / Thesis - 20 Marks	Dissertation / Thesis - 20 marks
PEDAGOGY - 40 Marks	PEDAGOGY - 40 Marks
Viva voce (including competency assessment) (40 + 20) - 60 Marks	Viva voce (including competency assessment) (40+20) - 60 marks

Any other item :

The Standing Academic Board has resolved that

1. In the Scheme of Practical Examination for **MD Anatomy** the following split-up for the existing OSPE/Viva voce shall be followed:

Existing	Recommended
OSPE (20 Stations) - 60 marks	OSPE (6 Stations x 10 marks) - 60 marks Surface marking - 10 marks Use of light microscope - 10 marks Genetic charts - 10 marks Drawing pedigree chart - 10 marks Clinical anatomy charts – Above Diaphragm - 10 marks Clinical anatomy charts – Below Diaphragm - 10 marks
Viva - 60 marks	Viva – Voce - 60 marks Split up of marks may be as follows 1. Embryology and Genetics - 15 marks 2. Osteology and Radiology - 15 marks 3. Museum and Embalming Techniques - 15 marks 4. Gross specimens and Cross-sectional anatomy - 15 marks

2. The scheme of practical examination in **MD Biochemistry** shall be changed as follows:

Existing	Recommended
Clinical case presentation and discussion - 50 marks	Clinical/Paper Case Presentation - 40 marks
Estimation of 2 analytes - 50 marks	Estimation of 2 analyte (2 x 15) - 30 marks
Preparation of a standard graph for one analyte - 30 marks	Preparation of Standard Graph for one analyte (1 x 20) - 20 marks
OSPE 4 stations x 10 marks - 40 marks	OSPE 5 stations x 10 marks - 50 marks
Clinical cases Discussion 4 charts - 30 marks	CHARTS (5 x 10) - 50 marks
Chromatography - 40 marks	Chromatography - 25 marks
Serum Protein electrophoresis - 40 marks	Electrophoresis - 25 marks
	Immunology Practical - 25 marks one exercise on immunology- ELISA/CLIA/ECLIA technique
	Molecular Biology Practical - 25 marks one exercise on any molecular biology technique- ex: DNA extraction, ; Preparation of agarose gels, loading DNA samples, separating DNA fragments by size etc
Dissertation - 20 marks	Dissertation - 20 marks
PEDAGOGY - 40 marks	PEDAGOGY - 40 marks
VIVA - 60 marks	VIVA - 60 marks

OSPE - Topics suggested

- a) EQAS interpretation.
- b) Reaction Curve analysis and interpretation.

- c) Internal QC procedures- QC reconstitution, Westgard rules, Corrective and Preventive actions to be taken.
- d) Centrifuge – to find RPM or Relative centrifugal force by using nomogram
- e) Phlebotomy- order of draw; pre-analytical errors .
- f) Biomedical waste management.
- g) Biosafety Method validation .

CHARTS - Topics suggested

- a) Clinical case based charts
- b) Hb variant interpretation using Hb Electrophoresis
- c) Tandem Mass Spectrometry interpretation of result

3. **MD Pharmacology** - Regarding theory examinations

Regarding theory examinations general principles in drug therapy and techniques in drug discovery should be included in paper – I.

Laws governing drug regulations should be included in paper – IV.

Regarding practical examinations

Existing	Recommended
<p>A. LONG EXPERIMENTS MARKS -160 marks</p> <p>1. Case Discussion (Case audit for a given case) - 50 marks</p> <p>2. Protocol Designing for a given scenario - 35 marks</p> <p>3. Critical Appraisal of a Published Paper - 35 marks</p> <p>4. In Vivo Experiment – Identification Of Unknown Substance Perform experiments in small animals - 40 marks</p> <p style="text-align: right;">TOTAL (A) 160 Marks</p>	<p>A. LONG EXPERIMENTS MARKS - 160 marks</p> <p>1. Case Discussion (Case audit for a given case) - 50 marks</p> <p>2. Protocol Designing for a given scenario - 35 marks</p> <p>3. Critical Appraisal of a Published Paper - 35 marks</p> <p>4. In Vivo Experiment – Identification Of Unknown Substance Perform experiments in small animals - 40 marks</p> <p style="text-align: right;">TOTAL (A) 160 Marks</p>
<p><u>B. SHORT EXPERIMENTS</u></p> <p>1. Computer Assisted Learning - 25 marks</p> <p>2. Bioassay Charts/Dog BP Charts (Interpretation of Results of a Previous Tracing) - 15 marks</p> <p>3. Ethics charts- Identification of ethics related dilemmas in clinical trial documents - 15 marks</p>	<p><u>B. SHORT EXPERIMENTS</u></p> <p>1. Computer Assisted Learning / Bioassay Charts/Dog BP Charts (Interpretation of Results of a Previous Tracing) - 25 marks</p> <p>2. Drug Assay (Interpretation of Drug concentration levels) - 15 marks</p> <p>3. Ethics charts- Identification of ethics related dilemmas in clinical trial documents - 15 marks</p>

4. ADR Reporting and Causality Assessment - 15 marks	4. Statistical exercise - 15 marks
TOTAL (B) 70 Marks	TOTAL (B) - 70 Marks
Existing	Recommended
OSPE (5 stations x 10 marks) - 50 marks Examples of OSPE stations (Any 5 of the following)	OSPE (5 stations x 10 marks) - 50 marks Examples of OSPE stations (Any 5 of the following)
a. Various drug delivery systems	a. Various drug delivery systems
b. Calculating Pharmacokinetic Parameters	b. Calculating Pharmacokinetic Parameters
c. Pharmacoeconomics	c. Pharmacoeconomics
d. Selecting P drug and writing rational prescription	d. Selecting P drug and writing rational prescription
e. Analytical Instruments- Use and interpretations	e. Analytical Instruments- Use and interpretations
f. Evaluation of Drug Promotional Literature	f. Evaluation of Drug Promotional Literature
g. Pharmaceutical Calculations	g. Pharmaceutical Calculations
h. Statistical exercise	h. ADR Reporting and Causality Assessment
i. Abstract Writing of a published paper	i. Abstract Writing of a published paper
j. Assessment of Preclinical toxicity data	j. Assessment of Preclinical toxicity data
k. Analysis of rational and irrational formulations	k. Analysis of rational and irrational formulations
D. Dissertation/Thesis - 20 Marks	D. Dissertation/Thesis - 20 Marks
GRAND TOTAL (A+B+C+D) 300	GRAND TOTAL (A+B+C+D) 300
ORAL/VIVA VOCE EXAMINATION	ORAL/VIVA VOCE EXAMINATION
1. Micro teaching (Teaching Exercise-Pedagogy) - 40 marks	1. Micro teaching (Teaching Exercise-Pedagogy) - 40 marks
2. Viva - 40 marks	2. Viva - 40 marks
3. Competency Assessment - 20 marks	3. Competency Assessment - 20 marks
TOTAL - 100 marks	TOTAL - 100 marks
Aggregate (Practical+Viva) - 400 marks	Aggregate (Practical+Viva) - 400 marks
Minimum Required for Pass(50%) - 200 marks	Minimum Required for Pass(50%) - 200 marks

4. The Postgraduates should participate in the International Medical Conference – Future of Medicine at least once in their study period with a nominal fee remitted into University CMS2 Portal at the time of University registration of the candidate.

5. The topic for the dissertation should be registered and sent to the University after Ethics Committee approval topics within first 6 months period of their first Post graduate year.

6. OSCE/OSPE bank shall be provided to the University.
7. Zone wise Bio-statisticians shall be appointed at the University level and they shall extend support to all institutions for the research activities.
8. Zone-wise Periodic Research Methodology and Biostatistics workshop shall be conducted by the University.
9. Revamping of PG curriculum and E-Logbook contents has to be done.
10. The Postgraduates should submit their articles in University Journal.


I am to request that the decision of the Standing Academic Board as mentioned above be communicated to all the Professors and Head of Departments of your Institution for information and a copy of the letter be displayed on the Notice Board of the College/Hostel for the information of the Students.

The receipt of this letter may be acknowledged immediately.

Yours faithfully,



for REGISTRAR (FAC)


09/14/28