

THE TAMIL NADU Dr. M.G.R MEDICAL UNIVERSITY, CHENNAI
Post Bag No,1200, No.69, ANNA SALAI, GUINDY, CHENNAI -3
Grams:MEDICLAVE, Phone 22353576-79 Fax : 91 – 44-22353698
Web site : www.tnmgrmu.ac.in

Dr. R. SRILAKSHMI, M.B.B.S., D.C.H., Ph.D.,
REGISTRAR (FAC)

Rc.No. ACAD-I(3)/ 52812/2011

Dated: 11.01.2012

To

The Deans/Principals of the
Medical Colleges affiliated to this University
(conducting P.G Non-Clinical Courses)

Sir/Madam,

Sub: Academic – The T.N Dr. M.G.R Medical University,
Chennai-32 – Resolution of the Meeting of the Board
of Studies in PG Non-Clinical held on 18.11.2011 -
Communicated – Reg

Ref: 1) Minutes of the Standing Academic Board under
Agenda No.43(16) held on 19.12.2011.
2) Resolution no. 44, passed at the 209th GC
meeting held on 22.12.2011.

I am to inform that the Board of Studies in P.G Non-Clinical in it's Meeting held on 18.11.2011 have recommended the following academic issues relating to P.G Non-Clinical courses. The recommendations of the Board of Studies in P.G Non – Clinical were approved in the 43rd Meeting of the Standing Academic Board held on 19.12.2011 and recorded in the 209th GC meeting held on 22.12.11.

I) THE SCHEME OF PRACTICAL EXAMINATION OF M.D. (Pathology)- POST GRADUATE DEGREE COURSE.

- The number of days for M.D. (Pathology) Practical Examination as Two days only
- Though, the exercise of autopsy is not a part of the current examination pattern, a minimum of twenty five autopsies would be performed by each candidate during the course and the details meticulously recorded in the logbook which would be discussed in the Viva. Also, autopsy is included in OSPE as a compulsory station. Method of Grossing is included to help the Examiner to assess the knowledge and skill of the candidate. This pattern of Examination is being followed worldwide presently.
- M.D. (Pathology) students are giving lectures and teaching Medical and Paramedical Undergraduate students during their course.
- To maintain uniformity with the other Non-clinical P.G. courses, 'Pedagogy' with 50 marks in the schedule of Examination on the 2nd day is included.

II) THE CHANGES MADE IN THE SCHEME OF PRACTICAL EXAMINATION OF M.D. (Pharmacology)- POST GRADUATE DEGREE COURSE.

- a) To follow the same practical Examination pattern for M.D.(Pharmacology) for the April 2012 Examination as per the format given. The new pattern (Case based assessment) to be introduced from the batch joining in April 2011 and appearing for Examination in April 2014 onwards as they require 6 – 9 months of essential clinical training.

M.D. (Pharmacology)- PRACTICAL EXAMINATION SCHEDULE

(For April 2012)

DAY 1

Forenoon

Bioassay only Basic Principles/Recording DRC/ Comparing the Potency of two samples/ potentiation and antagonism/GDR/Matching/Interpolation	50	3hrs
--	----	------

Afternoon

OSPE* (20 x 5stations or its equivalence)	100	1 hr
Protocol writing	25	½ hr
Journal -critical evaluation	25	½ hr
Discussion on cardiac drugs (Frog Heart charts/CAL)	20	½ hr
	-----	-----
	220	5½ hrs
	-----	-----

DAY II

<u>Fore noon</u>	Drug Evaluation - Using Chemical & Biological method)	40	2 hrs
	Case discussion	40	1 hr
	Pedagogy	50	½ hr
		-----	-----
		130	3 ½ hr
		-----	-----

<u>Afternoon</u>	Viva	50	1 hr
	Log Book + Record	50	½ hr
	Dissertation discussion	50	1 hr
		-----	-----
		150	2½ hr
		-----	-----

TOTAL MARKS IN PRACTICAL EXAMINATION = 220 + 130 + 150 = 500 MARKS

**TOTAL MARKS IN THEORY
EXAMINATION = 4 PAPERS X 100 = 400 MARKS**

DISSERTATION BY 2 EXTERNAL EXAMINERS = 50X2 = 100 MARKS

TOTAL = 1000 MARKS

- Modules for OSPE can be any of the following based on the availability and feasibility of the various centers.

Objective Structured Practical Examination

Skill demo station.

1. Instrument demonstration (20 marks) like

- a. Photometer
- b. Calorimeter
- c. pH meter
- d. rotarod etc.
- e. newer equipments like
 - i. ELISA
 - ii. HPLC
 - iii. Microarray
 - iv. Spectrophotometer etc. using their pictures.

2. Animal technique demonstration (20 marks)

Knowledge station (20 marks x 3)

- 1.Causality analysis
- 2.ADR picture based questions
- 3.calculation of bioavailability, TDM, SSC
- 4.Biostatistics based problems
- 5.Exercise on dog BP/frog heart or other charts
- 6.Ethics – exercises based on ethical decision making
- 7.Exercises based on evidence based medicine (meta - analysis)

b) Basic principles of bioassay using biological tissue will be tested on the day of the Examination. One of the following can be given:

1. Recording DRC, Interpolation Method.
2. Comparing the Potency of a given drug sample.
3. Potentiation and antagonism

❖The students should perform all other tissue experiments during their three year curriculum, recorded and maintained for assessment.

❖Discussion on Cardiac drugs (Frog heart charts / CAL)

❖Drug evaluation chemically and biologically

❖Clinical Case discussion can be evaluated in the following way [10 + 30]

Discussion on Pathophysiology : 10 marks

Therapeutics : 30 marks

1. Systemic Pharmacology –Drugs used in Clinical situation and Selection criteria.(10 marks)

2. Applied Pharmacology - Dosage / Units / Mode / Form of application/
Selection criteria (10 marks)

3. Clinical Pharmacology- TDM ,ADR Monitoring, Loading dose,
Maintenance dose, Drug interaction, etc. (10 marks)

- ❖ Log Book and Record : 50 marks
- ❖ Dissertation discussion during Practicals : 50 marks
- ❖ Dissertation assessment by Examiners-outside the state: 50x2 = 100 marks
- ❖ OSPE marks allotted is 100. [20 marks x 5 stations] or [10 marks x 10 stations] Guidelines given in the format.

III) Theory paper IV title should be renamed as follows:

“APPLIED PHARMACOLOGY & LAWS GOVERNING DRUG REGULATIONS”
instead of Forensic Pharmacy.

The dissertation submitted by the Post Graduate students need not be published in the University website. However, for the purpose of verification, the dissertation may be published in the intranet of the affiliated Institutions.

- c) i. The theory and practical be treated as separate components and the failed component alone be repeated.
- ii. If the candidate fails in any one part of any one component, the component (theory or practical) should be repeated.
- iii. If the candidate fails in one theory paper he/she has to appear for all the theory papers.
- iv. The e-journal can be published during their first year or second

This system will come into effect from April 2012 Examination onwards.

-7-

Further, in the 43rd Standing Academic Board it was resolved that the cut off date fixed for Post Graduate Clinical / Post Graduate Non Clinical is 31st of May of every year and the commencement of the course is 2nd May.

I am to request you that the decision of the Standing Academic Board as mentioned above may be communicated to all the Professors and Heads of Departments for information and to take follow up action in this regard. I am also to request that a copy may be displayed on the Notice Board of the College/Hostel for information of the students concerned.

I request that the receipt of this letter may be acknowledged by return of post.

Yours faithfully,

Sd/-

REGISTRAR (FAC)