

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.tnmmu.ac.in & www.tnmgrmu.ac.in

Dr.SUDHA SESHAYYAN, M.S.,
REGISTRAR (FAC)

Rc.No. ACAD-I(3)/ 42152/10
25.01.2011

Dated:

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 28.10.2010 -
Communicated - Reg

Ref: 1) Minutes of the Meeting of the Board of Studies in
P.G Non-Clinical held on 28.10.2010
2) Minutes of the Standing Academic Board under
Agenda No.IV(5) held on 22.12.2010

I am to inform that the Board of Studies in P.G Non-Clinical in
the Meeting held on 28.10.2010 have recommended various 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 40th Meeting

of the Standing Academic Board held on 22.12.2010.

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1) PRESCRIBED INDIVIDUAL PASS IN EACH PAPER
FOR
ALL POST GRADUATE DEGREE/DIPLOMA COURSES IN LIEU
OF AGGREGATE MARKS

The candidate of Post Graduate Diploma/Degree courses has to secure the minimum pass mark of 50% in each paper in lieu of aggregate marks. The guidelines for passing the examination of Post Graduate Diploma/Degree course is as follows.

a) A candidate who has passed in Clinical/Practical examination, but failed in one theory paper, has to write that particular theory paper alone in the subsequent supplementary examinations and to pass that theory paper. If the candidate fails again in that theory paper or does not appear for the subsequent supplementary examinations, then the candidate has to take up the entire examinations of all theory papers including Clinical/Practical examinations.

b) A candidate who has passed in Clinical/Practical examinations but has failed in two or more theory papers, the candidate has to take up the entire examinations of all theory papers including

Clinical/Practical examinations.

c) A candidate who has failed in Clinical/Practical examinations, but has passed in all Theory papers, the candidate has to take up the entire examination including Clinical/Practical examinations.

This will come into effect from April 2011 examination onwards.

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2) REQUEST OF M.S (ANATOMY) POST GRADUATE STUDENTS FOR CHANGING OF NOMENCLATURE OF M.S (ANATOMY) TO M.D.(ANATOMY) FROM THE ACADEMIC YEAR 2008-09 ONWARDS

The University has accepted the request of change of nomenclature M.S (Anatomy) to M.D (Anatomy) from the academic year 2008-09 onwards.

3) DISSERTATION

The topic for Dissertation should be submitted on 31st December in the first year. The Dissertation should be completed by 15th of December in the final year.

The Examiner should be a qualified teacher with ten years of teaching experience and both the examiners should be appointed outside the state.

4) QUESTION PAPER PATTERN FOR THEORY EXAMINATION

Theory 4 papers each paper contains 100 marks

Time 3

Hrs.

1. Structured Essay	2 x 10	= 20 marks
2. Reasoning Out	4 x 5	= 20 marks
3. Very Short Answers	10 x 2	= 20 marks
4. Short Questions	8 x 5	= 40 marks

	Total	100
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marks

Practicals

a. The duration of Practical Examination for Anatomy, Physiology Biochemistry and Pharmacology is for two days.

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b. The Practical Examination for Pathology, Microbiology and Forensic Medicine is for three days.

c. The number of days allotted is only for five candidates. If there are more candidates appearing the number of days will be increased accordingly.

5. MICROBIOLOGY

Under Virology, Serology, the Practical Test HA & H1 should be omitted. The above tests are not done in all the centers.

6. CHANGE IN THE SYLLABUS AND THEORY EXAMINATION IN

PHARMACOLOGY PAPER - IV

The nomenclature of Paper IV Applied Pharmacology and Forensic Pharmacology in the speciality of M.D Pharmacology has to be changed as Applied Pharmacology including Forensic Pharmacy and the relevant syllabus has been uploaded in the website of this university.

Mark Distribution

Dissertation	- 100 marks
Oral/Viva	- 30 marks
Log Book	- 20 marks
Pedogogy	- 50 marks

Total	200 marks

7. GUIDELINES FOR SUBMISSION OF DISSERTATION BY P.G NON CLINICAL STUDENTS

1. The topic of the Dissertation will be approved by the HOD and submitted on 31st December in the First year. The Dissertation should be completed by 15^{t h} December in the Final year. This will come into effect for the students who are joining the course during the Academic year 2010-2011.

2.The Dissertation should not be published in any journal before appearing for the examination.

3. The Dissertation work shall be approved by the Ethical Committee of the concerned Medical College within three months of submission of the topic to the University.

4. Four copies of dissertation shall be submitted to the Controller of Examinations of this University on or before 15th December without fine and up to 31st December with fine of Rs.2000/-

8. REVISED PRACTICAL EXAMINATION FOR P.G NON CLINICAL STUDENTS

The Revised Practical Examination in Post Graduate Non Clinical

Degree / Diploma courses of Anatomy / Physiology / Biochemistry / Microbiology / Pathology / Pharmacology / Forensic Medicine are enclosed.

The OSPE pattern for practical examinations of the Post Graduate Non- Clinical courses for Part-1 Examination and the revised scheme of Practical examination will come into force from April 2011 examination onwards.

I am to request that the above decision of the Standing Academic Board as mentioned as above may be communicated to all the Professors and Head of Departments for information and further follow - up action in

this regard. I am also also to request that a copy of this letter 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.

Yours

faithfully,

S/d

REGISTRAR (FAC)

BRANCH - V M.D. (PHYSIOLOGY)

PART - I

<u>Practical</u>		Marks
<u>Session-I:</u>	Mammalian (Dog) Graphs	20
	Mammalian Isolated Organ	40
	Amphbion - Heart (or) } Charts	40
	Skin muscle }	
		----- 100

PART - II

<u>Session-II</u>	Haematology	30
	Clinical Examination	40
	Clinical (Human Experiments)	30
		----- 100
Oral / Viva	..	30
Log Book	..	20
Pedagogy	..	50

Total .. 100

BRANCH - XIII M.D. (BIOCHEMISTRY)

Practical Examinations:

These examinations will be held over 2 days. They should consist of 2 parts Part - I & Part-II.

Part - I

Marks

Two or Three clinical biochemistry exercises, including
Separation of proteins by electrophoresis .. 100

Part - II

1. General Biochemistry, Qualitative identification of an unknown amino acids or sugar and confirmation by chromatography. .. 30
2. Preparation of a standard graph for a given analyte .. 20
3. Interpretation of clinical data (4 cases) from cases on endocrine diseases, electrolyte and acid base disorders mineral metabolism, analysis of body fluids, lipid

profile, etc., to be given .. 20

4. Clinical examination of a patient, making of a
Provisional diagnosis and giving differential
Diagnosis, giving a list of relevant investigations .. 30

Total 100

Oral / Viva .. 30 marks

Log Book .. 20 marks

Pedagogy .. 50 marks

Total ..100 marks

M.D. BRANCH III PATHOLOGY PRACTICAL EXAMINATION

1) Practical - I

Sl. No.	NAME OF EXERCISE	DURATION	MARKS
1	Autopsy - Complete Exercise if bodies are available or schedule organized Autopsies with provision of case history and organs	2 Hours	20
2	Gross specimen spotters with discussion - 10 Nos.	1 Hour	30
3	a) Histotechnology	2 Hours	20

	b) Staining Techniques Haematoxylin and Eosin special stains Papanicolau Stain		
4	Clinical Pathology - a) Discussion of case history b) Clinical examination c) Plan relevant Investigation in Haematology and urine analysis and discussion	2 Hours	30

2) Practical II

Sl.No.	NAME OF EXERCISE	DURATION	MARKS
1	Histopathology slides - 15 Nos.	1 Hour	60
2	Haematology slides - 5 Nos. Cytology slides - 5 Nos.	2 Hours	40

3) Dissertation	--	100
4) Viva + Log Book	--	50
5) Pedagogy	--	50
	Total	400

DIPLOMA IN CLINICAL PATHOLOGY

Practical - I

Sl. No.	NAME OF THE EXERCISE	MARKS
1.	Microbiology Culture	25
2.	Serology	15
3.	Biochemistry	25
4.	Histo-techniques	10

	Total	75

Practical - II

Sl.N o.	NAME OF THE EXERCISE	MARKS
1.	Cytology Slides	10
2.	Hematology Slides	10
3.	Histopathology Slides	10
4.	Gross Spotters	10
5.	Histo staining techniques	10
6.	Clinical Pathology a. Discussion of Case History b. Clinical Examination c. Plan Relevant Investigation in Haematology and Urine analysis and discussion	25
	Total	75

Viva + Log Book

50

Grand Total

200

BRANCH - IV – M.D. MICROBIOLOGY

Bacteriology:-

Marks

Part- I

1. Identification of Pure Culture	..	40
2. Bacteriological Technique (Any one)	..	10
3. Immunoserology:	..	20

Serological Tests:-

- 1) Conventional Serological Test
VDRL, WIDAL and other Agglutination Tests,
Immunofluorescence
- 2) Rapid Tests
(One conventional and one rapid test to be performed
For the practical examination)

4. Virology:-	..	15
1. ELISA - HIV / HBsAg		
2. IgM Capture ELISA - Dengue, Chikungunya		
3. Interpretation of Tissue Culture slides with CPE		

5. Micology:	..	15
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Identification of Fungal Cultures

Total	.. 100

Part - II

1. Isolation and identification of Bacteria from Clinical samples	..	50
2. Parasitology	..	20
(i).Processing and identification of Ova and		

Cysts in Stool samples.

Saline / Iodine / Concentration Technique/
Special Staining technique

(or)

(ii). Blood Smear examination for Malarial
Parasite, Microfilaria.

3. Animal Experiments: .. 10

(i) Handling Techniques of Animals
for bleeding

(or)

(ii) Identification of different routes for
inoculation in animals

4. Histopathology Slides .. 20

(a) Stained Smear } Applied to Microbial

(b) Tissue sections } infections

Total .. 100

Oral / Viva .. 30 marks

Log Book .. 20 marks

Pedagogy .. 50 marks

Total ..100 marks

Branch VI : PHARMACOLOGY

SCHEME OF PRACTICAL EXAMINATION:

	Title	Duration	Marks
	<u>PART-I</u>		
Practical-I	Isolated Tissue Experiment (Bioassay) & Charts	3 hrs.	50
Practical II	A) Isolated Heart Experiments/ CHARTS/ Evaluation of analgesic or Anti-inflammatory effect Local anaesthetic or any other Evaluation Method.	3 hrs.	40
	B) Simple Techniques in animals/ Equipments	30 minutes	10
	i) Involving small animals / Equipments (Eg., Gastric feeding, taking Blood from small animals). (or)		
	ii) Any other small procedures] like giving anaesthesia to animals] (or)		
	iii) Demonstration of Equipments used in animal study		----- 100
	<u>PART-II</u>		
Practical - III	Toxicology Exercise :		
	A) Identification of nature of One drug using chemical methods. Example : Salicylates, Iron, Paracetamol, Sulphonamides, etc.	1 hr.	20
	B) Identify the nature of given Alkaloid using Biological methods.	2 hrs.	40
<u>Practical IV:</u>	Clinical Pharmacology		
	(a) Discussion of drug therapy of a Clinical condition in Detail		

(case history with questions)	30 minutes	20
(b) Protocol writing	30 minutes	20

Total Practical Marks 100

Pedagogy	20 Min.	50
Viva		50

- Oral/Viva - 30 Marks
- Log Book - 20 Marks
- Pedagogy - 50 Marks

Total - 100 Marks

BRANCH -V - M.S. ANATOMY

Scheme for Practical Examination - Practicals 2 days

Day: 1

Practicals	Session	Duration	Marks
Practical - I Gross Anatomy	F.N.	3 hrs.]75

(Dissection)

Practical-II Histology	A.N.	3 hrs.]	
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Break Up Details (Practical-II):-

Histology - 5 slides for spotters and discussion...

5 x 10 = 50 Marks

Section Cutting = 10 Marks

Staining of one
Paraffin Section = 10 Marks

Embedding of one
Paraffin block = 5 Marks

..... 75

Day: 2

Practicals - III Embryology 2 Slides (2 x 10) = 20 Marks

Neuroanatomy 1 Slide }
Brain Dissection } = 30 Marks50
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Total Practical Marks 200

Oral / Viva	-	30 Marks
Log Book	-	20 Marks
Pedagogy	-	50 Marks

Total	-	100 Marks

M.D. BRANCH – XIV - FORENSIC MEDICINE

Scheme for Practical Examination

The duration of the examination for practical in M.D. Branch XIV Forensic Medicine may be for three days. The exercises may be distributed day wise as follows:

Day: 1

- a) Adult Autopsy* 2. 00 Hrs. 50 Marks
- b) Foetal Autopsy 1. 30 Hrs. 20 Marks
(Should be Performed with the specimen of body of the foetus)

*** NOTE:** Bits from relevant organs may be taken for Histopathological processing for subsequent examination under microscope on

Third day.

a) Clinical Pathology examination and spotters

- 1. Bazedine test, Blood Group, Gram Stain 30 Mts. 10 Marks
Salivary Stain, Takayama's test, Teichmann's text. (5 x 2) (Any two Exercises from the above may be given)

- b) Ten spotters (slides
s and specimens) related to 30 Mts. 10 Marks

Pathology and Forensic Medicine (1 x 10)

Day: 2

2. Clinical Forensic Medicine Examination

A) LONG CASE; 1

Examination of drunkenness case 45 Mts. 10 Marks

B) SHORT CASES: 3

a) Medico legal examination of the injured Person/cadaver/photograph/proforma and 30 Mts. 10 Marks

Issue of 'Wound Certificate'

b) Medico legal examination of Sexual offence, case / Proforma and issue of 'S.O. Case Examination Certificate' 30 Mts. 10 Marks

c) Medico legal examination of Psychiatric Patient / Case Sheet: 30 Mts. 10 Marks

Forensic Odontology and Physical Anthropology

1) Physical and Dental examination of a boy or a girl and issue of 'Age Certificate' 40 Mts. 10 Marks

2) Medico legal examination of a cluster of bones and issue of opinion 40 Mts. 10 Marks

3) Examination of cluster of X rays and Age Estimation 40 Mts. 10 Marks

DAY: 3

**ANIMAL EXPERIMENT STUDY HISTOPATHOLOGY
STUDY AND EXPERT OPINION**

1. Analysis of Photographs / Videographs / Medico legal Certificates 60 Mts. 10 Marks

2. Examination of Histo Pathological Processing and microscopic examination of those tissues taken on the first day 60 Mts. 10 Marks

3. Expert Opinion – 60 Mts. 20 Marks
(A case study or a Medicolegal problem
is given)

Total -----
200 Marks

Pedagogy 45 Mts. 50 Marks

Oral 45 Mts. 50 Marks

Total 100 Marks
