

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

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

M.D. / M.S. / DIPLOMA

BROAD SPECIALITY COURSES



**DETAILS OF PRACTICE EXAMINATIONS
FROM THE ACADEMIC YEAR 2017-2018
ONWARDS**

M.D. & M.S. - DEGREE / DIPLOMA COURSE

M.D. – COURSES		
Sl. No.	Specialities	Page. No.
1.	M.D. Anaesthesiology	
2.	M.D. Anatomy	
3.	M.D. Biochemistry	
4.	M.D. Community Medicine	
5.	M.D. Dermatology, Venerology and Leprosy	
6.	M.D. Forensic Medicine	
7.	M.D. General Medicine	
8.	M.D. Geriatrics	
9.	M.D. Immuno Haematology and Blood Transfusion	
10.	M.D. Microbiology	
11.	M.D. Nuclear Medicine	
12.	M.D. Emergency Medicine	
13.	M.D. Pathology	
14.	M.D. Paediatrics	
15.	M.D. Pharmacology	
16.	M.D. Physical Medicine & Rehabilitation	
17.	M.D. Physiology	
18.	M.D. Psychiatry	
19.	M.D. Radio-diagnosis	
20.	M.D. Radio-therapy (M.D. Radiation Oncology – A/Y 2018-2019 onwards)	
21.	M.D. Respiratory Medicine	
22.	M.D. Tropical Medicine	
23.	M.D. Family Medicine	
M.S. COURSES		
1.	MS Otorhinolaryngology	
2.	MS General Surgery	
3.	MS Ophthalmology	
4.	MS Orthopedics	
5.	MS Obstetrics & Gynecology	

P.G DIPLOMA COURSES		
Sl. No.	Specialities	Page. No.
1.	Diploma in Anaesthesiology (D.A.)	
2.	Diploma in Clinical Pathology (D.C.P.)	
3.	Diploma in Dermatology, Venerology and Leprosy (DDVL)	
4.	Diploma in Obstetrics & Gynecology (D.G.O.)	
5.	Diploma in Ophthalmology (D.O.)	
6.	Diploma in Orthopedics (D.Ortho.)	
7.	Diploma in Oto-Rhino Laryngology(D.L.O.)	
8.	Diploma in Paediatrics(D.C.H.)	
9.	Diploma in Physical Medicine & Rehabilitation (D.Phy. Med. & R.)	
10.	Diploma in Psychiatry (D.P.M.)	
11.	Diploma in Public Health (D.P.H.)	
12.	Diploma in Radio-diagnosis (D.M.R.D.)	
13.	Diploma in Radio-therapy (D.M.R.T.)	
14.	Diploma in Tuberculosis & Chest Diseases (D.T.C.D.)	
15.	Diploma in Diabetology	

1. MD ANAESTHESIOLOGY

PRACTICAL EXAMINATION :

Morning session

Long case-1×70 Marks	Clinical case	70 marks
	40 minutes case examination and 20 minutes for discussion	
Short cases-2×40 Marks	10 minutes for each case examination and 20 minutes for each case discussion	80 marks

Total marks for morning session 150 marks (A)

Afternoon session

Ward rounds / Case Scenario -5 × 5 marks 5 mins each case discussion	25 marks (B)
OSCE 5 stations × 5 marks	25 marks (C)
VIVA - [Viva including competency Assessment (60+20)]	80 marks (D)
1. Anaesthesia Machine including Vaporisers, Circuits, Equipments, Monitors	
2. CPR mannequin, Difficult airway mannequin, Defibrillator, Ventilator	
3. Drugs, IV fluids, Instruments and Procedures tray	
4. Investigation charts, ECG, Xray, ABG, GRAPHS, Recent advances	
Log book	20 marks (E)
Aggregate Total (Clinical + Viva)	300
Minimum required marks for pass (50%)	(A+B+C+D+E)
	150
DISSERTATION	Approved / Not approved

2. MD ANATOMY

PRACTICAL EXAMINATION :

PRACTICAL I	
GROSS ANATOMY - Dissection	75 marks (A)
PRACTICAL II	
HISTOLOGY (SECTION CUTTING + EMBEDDING & STAINING) HISTOLOGY SLIDES DRAWING & DISCUSSION	75 marks (B)
PRACTICAL III	
OSPE (20 Stations) - 40 marks	50 marks (C)
EMBRYOLOGY SLIDES - 5 marks	
NEUROANATOMY SLIDES - 5 marks	
VIVA	
PEDAGOGY	40 marks (D)
VIVA - [Viva including competency Assessment (40+20)]	60 marks (E)
AGGREGATE (PRACTICAL + VIVA) TOTAL	300 marks (A+B+C+D+E)
MINIMUM REQUIRED FOR PASS (50 %)	150 marks
DISSERTATION	APPROVED / NOT APPROVED

3. MD BIOCHEMISTRY

PRACTICAL EXAMINATION :

The practical examinations will be held over 2 days. It will have the following components:

PART I – 80 MARKS		
A	Clinical case presentation and discussion	40 marks
B	Estimation of 2 analytes	40 marks
PART II- 120 MARKS		
A	Preparation of a standard graph for one analyte	20 marks
B	Clinical cases – 4 charts - Discussion	20 marks
C	Chromatography	30 marks
D	Serum Protein electrophoresis	30 marks
	OSPE – 4 stations x 5 marks	20 marks
VIVA		
	PEDAGOGY	40 marks
	VIVA - [Viva including competency Assessment (40+20)]	60 marks
	AGGREGATE (Clinical +Viva)	300 MARKS
	Minimum required for pass (50%)	150 MARKS
	DISSERTATION -	APPROVED / NOT APPROVED

INSTRUCTIONS FOR EXAMINERS

The practical examinations shall consist of the following components, which will be held over 2 days.:

MD BIOCHEMISTRY		
Part I	Clinical case presentation and discussion - 40 marks	Clinical case presentation and discussion. To plan relevant investigations
	Estimation of 2 analytes 2x 20 =40 marks	Assay of 2 biochemical analytes relevant to the case under discussion. One assay is to be an end-point assay and another is to be a kinetic assay.
Part II	A. Preparation of a standard graph for one analyte – 20 marks	Preparation of a standard graph for an analyte (preferably an analyte already allotted in Part I above, i.e. if Glucose assay is included in part I, standard graph for the same to be done)
	B. Clinical cases – 4 charts - 4 x 5 marks = 20 marks	Discussion of findings and lab results of case scenarios provided
	C. Chromatography - 30 marks	Identification of the unknown carbohydrate/aminoacid
	D. Serum Protein electrophoresis 30 marks	Serum Protein electrophoresis by agarose gel electrophoresis and interpretation.

	OSPE – 4 stations x 5 marks = 20 marks	Two performance stations and 2 response stations (Examples of performance stations: methylamine test for detecting fructose, mucic acid test for detecting galactose, Neumann's test, Watson- Schwartz test, etc) (Examples of response stations: Levy Jennings chart, calculation of creatinine clearance, double reciprocal plots, precision check of internal quality control results, calculation of various indices from data obtained during validation of kits (eg, precision, accuracy, coefficient of variation, etc)
--	---	--

4. MD COMMUNITY MEDICINE

PRACTICAL EXAMINATION :

CLINICO SOCIAL EXAMINATION :			
FAMILY STUDY :			80 MARKS
PUBLIC HEALTH SKILLS			
COMPUTER DATA ANALYSIS SKILLS			25 MARKS
MANAGEMENT SKILLS(AS CASE STUDY)			25 MARKS
EPIDEMIOLOGY BIO STATISTICS EXERCISE			50 MARKS
OSPE (PUBLIC HEALTH CHEMISTRY) PH MICRO, MEDICAL ENTOMOLOGY, RCH SKILLS	(4 X 5)		20 MARKS
CLINICAL TOTAL			200 MARKS (A)
	VIVA		
VIVA - [Viva including competency Assessment (40+20)]			60 MARKS
PEDAGOGY		(10X4)	40 MARKS
VIVA TOTAL			100 MARKS (B)
AGGREGATE (CLINICAL + VIVA)			300 MARKS (A+B)
MINIMUM REQUIRED FOR PASS (50%)			150 MARKS

DISSERTATION			APPROVED / NOT APPROVED
	FORENOON		AFTERNOON
	EPIDEMIOLOGY/EXERCISES		OSCE
DAY 1	FAMILY STUDY		COMPUTER SKILL
			MANAGERIAL SKILL
	PAEDAGOGY		
DAY 2	LOG BOOK EVALUATION		VIVA
	DISSERTATION DISCUSSION		

5. M.D. DERMATOLOGY, VENEROLOGY AND LEPROSY

PRACTICAL EXAMINATION :

1 LONG CASE X 50 MARKS	50 MARKS
2 SHORT CASES X 25 MARKS (LEPROSY 1, STD 1)	50 MARKS
CASE DISCUSSION Ward Rounds – 4 x 5 = 20 Spotters - 10 x 3 = 30	50 MARKS
OSCE 10 stations x 5 marks	50 MARKS
CLINICAL TOTAL	200 MARKS (A)

VIVA

VIVA - [Viva including competency Assessment (60+20)]	DERMATOLOGY	DISCUSSION INSTRUMENTS DRUGS SLIDES	80 MARKS
		DISCUSSION	

	STD	INSTRUMENTS CHARTS KIT & CONDOM	
LOG BOOK			20 MARKS
VIVA TOTAL			100 MARKS (B)
AGGREGATE (CLINICAL + VIVA)			300 MARKS (A+B)
MINIMUM REQUIRED FOR PASS (50%)			150 MARKS
DISSERTATION			APPROVED / NOT APPROVED

MD DVL

CLINICALS		
One Long case x 50 marks		50 Marks
Two short cases x 25 Marks (Leprosy 1 + STD 1)		50 Marks
Case Discussion - Ward rounds (20 Marks) + Spotters (30 Marks)		50 Marks
OSCE		50 Marks
Clinical Total		200Marks(A)
VIVA (including Competency Assessment - (CA)) 60 + 20 marks		
Dermatology (Including Leprosy) 40 + 10 marks	Discussion Instruments Drugs	80 Marks
STD (10 marks)	Discussion Instruments Charts Kits & Condom	
LOG BOOK		20 Marks
Viva Total (Viva+CA+Log Book		100 Marks (B)
Aggregate (Clinical + Viva Total)		300 Marks (A+B)
Minimum required Pass Marks		150 Marks
Dissertation		Approved / Not Approved

Clinical Examination in MD DVL -Detailed

CLINICALS		
1.	Long Case – 1 X 50 = 50	50 marks
2.	Short Case – 2 X 25 = 50 (Leprosy -1 , STD – 1)	50 marks
3.	Spotters – 10 X 3 =30	50 Marks
4.	Ward Rounds – 4 X 5 =20	
5.	OSCE / OSPE -10X5=50	50 marks
Total		200 Marks (A)

MD DVL

Clinical Exams

I. LONG CASE			
Duration : 40 mins for Examination; 15 mins for Assessment Total – 55 mins	A)History		10 marks
	B) Physical findings & Clinical Bedside tests		15 marks
	C) Diagnosis and differential Diagnoses		5 marks
	D) Management (5+5+5)		15marks
	1. Investigation	5 marks	
	2. General Measures	5 marks	
	3. Specific Treatment (Topical &Systemic	5 marks	
		E)Communication & Counseling	5 marks
Total			50 marks
II. SHORT CASE			
STD CASE Examination mins	15	Focused History	5 marks
		Physical Findings	5 marks
		Investigations	3 marks

PRACTICAL EXAMINATION :

	EXERCISE	DURATION	MARKS
1	ADULT AUTOPSY	02 Hrs 30 Min	30
2	FOETAL AUTOPSY	01 Hrs 30 Min	20

- **PROCEDURE** **25% Marks**
- **OBSERVATION** **25% Marks**
- **INTERPRETATION** **25% Marks**
- **REPORTING** **25% Marks**

	EXERCISE	DURATION	MARKS
1	O S P E [4 STATIONS - 3 MARKS EACH]	00 Hrs 40 Min	12
	A) EXAMINATION OF BODY FLUID		
	B) COLLECTION, PRESERVATION & FORWARDING OF VISCERA TO FSL FOR CHEMICAL ANALYSIS		
	C) EXAMINATION OF A WEAPON		
	D) TOXICOLOGY SPOT TEST		

2	MICROSCOPIC EXAMINATION OF SLIDES & REPORTING - [4 Nos - 2 MARKS EACH]	00 Hrs 20 Min	08
	A) SEX CHROMATIN		
	B) HAIR / FIBRE / CLUE MATERIAL		
	C) BLOOD PICTURE IN A CASE OF POISONING		
	D) FORENSIC PATHOLOGY		
3	ESTIMATION OF AGE BY PHYSICAL & DENTAL EXAMINATION	00 Hrs 20 Min	10
4	EXAMINATION OF A CLUSTER OF BONES	00 Hrs 20 Min	10
5	EXAMINATION OF A SET OF XRAYS	00 Hrs 20 Min	10
6	EXPERT OPINION BY STUDY OF DOCUMENTS [HPE / FSL REPORT] PROVIDED IN A MEDICOLEGAL CASE	00 Hrs 15 Min	10
7	INTERPRETATION OF PHOTOGRAPHS & CORRELATION OF INJURIES SEEN WITH THE WEAPON PROVIDED	00 Hrs 15 Min	10
8	MOCK COURT	00 Hrs 30 Min	10
FOR EXERCISE No 3 WHEREVER POSSIBLE SUBJECTS MUST BE PROVIDED FOR EXAMINATION			

DAY 2 : FORENOON [9.00AM - 1.00 PM]

1	SPOTTERS [10 Nos – 2 Marks Each]	00 Hrs 20 Min	20
	A) FORENSIC SPECIMEN / PHOTOGRAPHS - 2 Nos		
	B) PATHOLOGY SPECIMEN - 2 Nos		
	C) ANIMAL IRRITANT / CHEMICAL IRRITANT - 2 Nos		
	D) POISONOUS PLANT / SEEDS - 2 Nos		
	E) WEAPONS OF OFFENCE - 2 Nos		
2	CLINICAL EXAMINATION OF A CASE OF DRUNKENNESS	00 Hrs 20 Min	10
3	CLINICAL EXAMINATION OF A CASE OF INJURY	00 Hrs 20 Min	10
4	CLINICAL EXAMINATION OF A SEXUAL OFFENCES CASE - VICTIM	00 Hrs 20 Min	10
5	CLINICAL EXAMINATION OF A MALE FOR POTENCY	00 Hrs 20 Min	10
6	PSYCHIATRIC CASE INTERPRETATION	00 Hrs 20 Min	10
FOR EXERCISE Nos 2 TO 6 WHEREVER POSSIBLE SUBJECTS MUST BE PROVIDED FOR EXAMINATION			

DAY 2 : AFTERNOON [2.00PM - 4.30PM]

PEDAGOGY	01 Hrs 00 Min	40
VIVA - [Viva including competency Assessment (40+20)]	01 Hrs 30 Min	60

(A) PRACTICALS - TOTAL MARKS	200
------------------------------	-----

(B) PEDAGOGY & VIVA	100
TOTAL AGGREGATE (A+B)	300
MINIMUM REQUIRED FOR PASS (50%)	150
DISSERTATION	APPROVED / NOT APPROVED

7. M.D. GENERAL MEDICINE

PRACTICAL EXAMINATION :

	EXAMINATION TIME	DISCUSSION TIME	MARKS
LONG CASE - 1X 80 MARKS	60 MIN	30 MIN	80
SHORT CASES – 3 x 20 MARKS	45 MIN	30 MIN	60
WARD ROUNDS 4 CASES X 10 marks (one case per examiner)	50 MIN	30 MIN	40
OSCE 4 STATIONS X 5 MARKS			20
TOTAL	155 MIN	90 MIN	200 (A)
VIVA - [Viva including competency Assessment (60+20)]			80

LOGBOOK			20
VIVA TOTAL			100 (B)
TOTAL AGGREGATE			300 (A+B)
MINIMUM REQUIRED FOR PASS (50 %)			150
DISSERTATION	APPROVED / NOT APPROVED		

8. M.D. GERIATRICS

PRACTICAL EXAMINATION :

Clinicals	
LONG CASE (1 CASE x 80 MARKS)	80 MARKS
SHORT CASES (2 CASES X 35 MARKS)	70 MARKS
WARD ROUNDS (3 CASES X 10 MARKS)	30 MARKS
OSCE (4 STATIONS X 5 MARKS)	20 MARKS
TOTAL	200 MARKS (A)
VIVA	
VIVA - [Viva including competency Assessment (60+20)]	80 MARKS
LOG BOOK	20 MARKS
TOTAL	100 MARKS (B)

AGGREGATE (CLINICAL + VIVA)	300 MARKS (A + B)
MINIMUM PASS (50%)	150 MARKS
DISSERTATION	APPROVED / NOT APPROVED

9. M.D IMMUNO HAEMATOLOGY AND BLOOD TRANSFUSION

PRACTICAL (ONE DAY EXAMINATION)

REFERENCE – 55th SAB, Dt : 18.07.2018 and 263rd G.C. Dt: 29.8.2018		
CLINICALS		
Long Case	1 x 100	100
Short Case	2 x 30	60
Clinical case discussion	2 x 10	20
OSCE	4 x 5	20
TOTAL		200 MARKS (A)
VIVA		

VIVA - [Viva including competency Assessment (60+20)]	80 Marks
Log Book	20 Marks
VIVA TOTAL	100 Marks (B)
Aggregate (CLINICAL +VIVA)	300 Marks (A + B)
Minimum pass (50%)	150 MARKS
DISSERTATION	APPROVED/ NOT APPROVED

10. M.D. MICROBIOLOGY

PRACTICAL EXAMINATION :

Reframed practical scheme for 2 days duration

	Division	Exercises	Marks
1	Bacteriology I. Preliminary sample processing & report – 15 marks II. Clinical Sample processing (Simulated Sample with Case scenario) – 35 marks III. Bacterial Techniques – Pure Culture Identification & Antimicrobial Susceptibility testing – 30 Marks		80
2	Mycology One slant / slide culture (Contaminant , Pathogenic fungi)		20
3	Virology PCR / CPE / Western Blot / ELISA		20
4	Immunoserology		20

	Bacteriology (Widal / VDRL / Weil-felix / SAT for Brucellosis / ASO / CRP / RA. etc) rapid test for Viral infections - Point of care tests	
5	Parasitology laboratory diagnosis of parasitic infections in stool/ blood / sputum- Concentration Techniques	20
6	OSPE Exercises-Including Case scenario – discussion (2X10)	20
7	Microscopy Including histopathology Slides - Discussion	20
8	Pedagogy	40
9	Viva - [Viva including competency Assessment (40+20)]	60
TOTAL		300
	Minimum pass (50%)	150 MARKS
	DISSERTATION	APPROVED/ NOT APPROVED

DAYWISE DISTRIBUTION OF EXERCISES	
DAY 1	DAY 2
1. Bacteriology- A,B,C	1.Bacteriology- B & C
2. Mycology	5. Parasitology
3. Virology	7. Microscopy
4. Immunoserology	8. Pedagogy
6. OSPE including Case Scenario	
9. Viva	

11. M.D. NUCLEAR MEDICINE

PRACTICAL EXAMINATION :

CLINICALS	
Long Case -1 (1 X 80 MARKS)	80 MARKS
Short Cases -2 (2 X 35 MARKS EACH)	70 MARKS
PRACTICAL (Physics / Radiopharmaceuticals Quality Control)	30 Marks
OSCE / SPOTTERS (10 x 2 marks)	20 Marks
Total	200 marks (A)
VIVA - [Viva including competency Assessment (60+20)]	80 marks (B)

LOG Book	20 marks (C)
Total (Clinical + Viva)	300 MARKS (A+B+C)
Minimum marks required for Pass (50%)	150 marks
Dissertation	Approved / Not Approved

12. M.D. EMERGENCY MEDICINE

PRACTICAL EXAMINATION :

ASSESSMENT METHOD	EXAMINATION TIME	DISCUSSION TIME	MARKS
Long Case (1)	45 min	30 min	1 x 50 = 50
Short cases (5)	(10 min x 5)=50 min	(6 minx5 cases) =30 min	5 x 20 = 100
Ward Rounds (3)	30 min	30 min	(3 cases x 10 marks) = 30
OSCE (4)	20 min	20 min	4 stations x 5 marks = 20
VIVA - [Viva including competency Assessment (60+20)]			80 MARKS

LOG BOOK		20 MARKS
TOTAL		100 MARKS (B)
AGGREGATE (CLINICAL + VIVA)		300 MARKS (A + B)
MINIMUM PASS (50%)		150 MARKS
DISSERTATION		APPROVED / NOT APPROVED
Total		300

13. M.D. PATHOLOGY

PRACTICAL EXAMINATION :

PRACTICALS DAY 1 FORENOON SESSION

HAEMATOLOGY / CLINICAL PATHOLOGY / BLOOD BANKING (2 HRS) (10 + 10 + 5 = 25 Marks)	25 MARKS
GROSSING /AUTOPSY /GROSS SPECIMEN FOR Dx& DISCUSSION (1.5 H) 5+ 10+10 MARKS	25 MARKS
AFTERNOON SESSION	
HAEMATOLOGY + CYTOLOGY SLIDES & DISCUSSION (5 Slides x 5 Marks) + (5 Slides x 5 Marks) (2 HRS) (10 SLIDES X 5 MARKS)	50 MARKS

DAY2	
FORENOON SESSION	
HISTOPATHOLOGY SLIDES & DISCUSSION (2.5 HOURS) (16 SLIDES X 5 MARKS)	80 MARKS
OSPE (5X4 marks)	20 MARKS
AFTERNOON SESSION – 2 Hours	
PEDOGOGY	40 MARKS
VIVA - [Viva including competency Assessment (40+20)]	60 MARKS
AGGREGATE (CLINICAL + VIVA) TOTAL	300 MARKS
MINIMUM REQUIRED FOR PASS (50%)	150 MARKS
DISSERTATION	APPROVED / NOT APPROVED

14. M. D. PAEDIATRICS

PRACTICAL EXAMINATION :

CLINICALS	
LONG CASE - (1 X 45 MIN) - (1 X 80 MARKS)	80 MARKS
SHORT CASE - (2 X 15 MIN) - (2 X 35 MARKS)	70 MARKS
WARD ROUNDS (20 MIN) (3 cases X 10 MARKS)	30 MARKS
OSCE (DRUGS, LAB DATA, EMERGENCY, IMNCI 4 STATIONS X 5 MARKS	20 MARKS
TOTAL	200 MARKS (A)

VIVA - [Viva including competency Assessment (60+20)] (NUTRITION, IMAGING, COUNSELLING, PROCEDURES, INSTRUMENTS, RECENT ADVANCES, ADOLESCENCE)	80 MARKS (B)
LOG BOOK	20 MARKS (C)
AGGREGATE (CLINICAL + VIVA) TOTAL	300 MARKS (A+B+C)
MINIMUM REQUIRED FOR PASS (50%)	150 MARKS
DISSERTATION	APPROVED / NOT APPROVED

15. M.D.PHARMACOLOGY

PRACTICAL EXAMINATION :

PRACTICALS DAY 1	
CLINICAL PHARMACOLOGY CASE DISCUSSION (2 X 50)	100 MARKS
TOXICOLOGY	30 MARKS
PROTOCOL WRITING	25 MARKS

JOURNAL CRITICISM	25 MARKS
OSPE (4 STATIONS X 5 MARKS)	20 MARKS
DAY 1 TOTAL	200 MARKS (A)
VIVA DAY 2	
PEDAGOGY	40 MARKS
VIVA - [Viva including competency Assessment (40+20)]	60 MARKS
VIVA TOTAL	100 MARKS (B)
AGGREGATE (CLINICAL + VIVA) TOTAL (A+B)	300 MARKS
MINIMUM REQUIRED FOR PASS (50%)	150 MARKS
DISSERTATION	APPROVED / NOT APPROVED

16. M.D. PHYSICAL MEDICINE & REHABILITATION

PRACTICAL EXAMINATION :

LONG CASE (1 X100 MARKS)	100 MARKS
SHORT CASE (2 X 25 MARKS)	50 MARKS

WARD ROUNDS (5 CASES X 5 MARKS)		25 MARKS
OSCE (5 SPOTTERS / SPECIMENS X 5 MARKS EACH)		25 MARKS
TOTAL		200 MARKS (A)
VIVA - [Viva including competency Assessment (60+20)]	DISABILITY EVALUATION/ ACT/	
	RECENT ADVANCES/ MRI/XRAY)	80 MARKS (B)
	PHYSICAL MODALITY	
	ORTHOTICS/PROSTHETICS	
LOG BOOK		20 MARKS (C)
AGGREGATE (CLINICAL + VIVA) TOTAL		300 MARKS (A+B+C)
MINIMUM REQUIRED FOR PASS (50%)		150 MARKS
DISSERTATION		APPROVED / NOT APPROVED

17. M.D. PHYSIOLOGY

**REFERENCE – 58th SAB, Dt : 17.12.2019 and
274th G.C. Dt: 22.01.2020**

PRACTICAL EXAMINATION :

ANIMAL LAB	40 MARKS
1. Mammalian Charts - 20 Marks	
2. Amphibian Charts - 20 Marks	
HUMAN LAB	120 MARKS
1. Clinical Exam - *50 Marks	
2. Human Experiment - *50 Marks	
3. Problem Solving Exercises	
Case Discussion - 10 Marks	
Lab Values - 10 Marks	
HAEMATOLOGY LAB	20 MARKS
OSPE	20 MARKS
TOTAL	200 MARKS (A)
VIVA - [Viva including competency Assessment (40+20)]	60 MARKS (B)
PEDAGOGY	40 MARKS (C)
AGGREGATE (CLINICAL + VIVA) TOTAL	300 MARKS (A+B+C)
MINIMUM REQUIRED FOR PASS (50%)	150 MARKS
DISSERTATION	APPROVED / NOT APPROVED

1. * Clinical Examination (50 Marks) - CNS - 25 Marks
 - CVS/RS - 25 Marks

2. * Human Experiment (50 Marks)
 Recording of Human Experiments - 25 Marks

Interpretation of another Human Experiments other than Dissertation - 25Marks

18. M.D. PSYCHIATRY

PRACTICAL EXAMINATION :

1. Clinical cases		
a) One Long case(Psychiatry)	1 x 80 45minutes	80 marks
b) Two Short cases	2 x 35 20 minutes	70 marks
i. Neurology/general medicine		
ii. Psychiatry		
2. Spotters (5x5)		25 marks
3. OSCE (5x5)		25 marks
4. Viva - [Viva including competency Assessment (60+20)]		80 marks
5. Logbook		20 marks
Total		300 marks
Minimum for pass		150 marks
DISSERTATION		APPROVED / NOT APPROVED

19. M.D. RADIO DIAGNOSIS

PRACTICAL EXAMINATION :

LONG CASE : (1X60 MARKS)	60 MARKS
SHORT CASE : (3 X 30 MARKS EACH) Including one ULTRASOUND CASE DEMONSTRATION	90 MARKS
SPOTTERS / OSCE (40 x 1.25 mark)	50 MARKS
TOTAL	200 MARKS (A)
VIVA - [Viva including competency Assessment (60+20)]	80 MARKS (B)
LOG BOOK	20 MARKS(C)
AGGREGATE (CLINICAL+VIVA)TOTAL	300 MARKS(A+B+C)
MINIMUM REQUIRED FOR PASS (50%)	150 MARKS
DISSERTATION	APPROVED/NOT APPROVED

20. M.D. (RADIATION ONCOLOGY)

REFERENCE – 57th SAB, Dt : 04.06.2019 and
270th G.C. Dt: 30.07.2019

Change of MD (Radio-therapy) nomenclature as M.D. (Radiation Oncology) as per schedule of the Postgraduate Medical Education Regulations, 2000., under Clause “A” at Sl.No.25. from admission made in the Academic Year 2018-2019 onwards.

PRACTICAL EXAMINATION :

LONG CASE - (1 X 100 MARKS)	100 MARKS
SHORT CASE - (2 X 25 MARKS EACH)	50 MARKS
PRACTICALS – RADIOTHERAPY PLANNING	25 MARKS
OSCE (5 marks x 5 stations)	25 MARKS
TOTAL	200 MARKS (A)
VIVA - [Viva including competency Assessment (60+20)]	80 MARKS (B)
LOG BOOK	20 MARKS (C)
AGGREGATE (CLINICAL + VIVA) TOTAL	300 MARKS (A+B+C)
MINIMUM REQUIRED FOR PASS (50%)	150 MARKS
DISSERTATION	APPROVED / NOT APPROVED

21. M.D. RESPIRATORY MEDICINE

PRACTICAL EXAMINATION :

Long case (1 X 45 min) (1 X 80 marks)	80 marks
Short cases (2 X 15) (2 X35 marks each)	70 marks
Ward rounds/Case discussion (3 X 5min) (3 X10 marks each)	30 marks
OSCE 4 stations 5 min each (4 X 5 marks)	20 marks
TOTAL	200 marks
Viva - [Viva including competency Assessment (60+20)]	80 marks
Log book	20 marks
Aggregate (clinical + viva) Total	300 marks
Minimum required for pass (50%)	150 marks
DISSERTATION	APPROVED/ NOT APPROVED

22. M.D. TROPICAL MEDICINE

PRACTICAL EXAMINATION :

	EXAMINATION TIME	DISCUSSION TIME	MARKS
LONG CASE - 1X 80 MARKS	60 MIN	30 MIN	80
SHORT CASES – 3 x 20 MARKS Community level control as per National Health Programs	45 MIN	30 MIN	60
WARD ROUNDS 4 CASES X 10 marks (one case per examiner)	50 MIN	30 MIN	40
OSCE 4 STATIONS X 5 MARKS			20
TOTAL	155 MIN	90 MIN	200 (A)
VIVA - [Viva including competency Assessment (60+20)]			80
LOGBOOK			20
VIVA TOTAL			100 (B)
TOTAL AGGREGATE			300 (A+B)
MINIMUM REQUIRED FOR PASS (50 %)			150
DISSERTATION		APPROVED / NOT APPROVED	

23. M.D. (FAMILY MEDICINE)

PRACTICAL EXAMINATION :

	MARKS
SEMI-LONG CASES - 2X 50 MARKS	100
SHORT CASES – 2 x 30 MARKS	60
WARD ROUNDS	
2 CASES X 10 marks (One case per examiner)	20
OSCE 4 STATIONS X 5 MARKS	20
TOTAL	200 (A)
VIVA - [Viva including competency Assessment (60+20)]	80
LOGBOOK	20
VIVA TOTAL	100 (B)
TOTAL AGGREGATE	300 (A+B)
MINIMUM REQUIRED FOR PASS (50 %)	150
DISSERTATION	APPROVED / NOT APPROVED

1. M.S.OTORHINOLARYNGOLOGY (E.N.T.)

PRACTICAL EXAMINATION

LONG CASE - (1 X 80 MARKS)	80 MARKS
SHORT CASE - (2 X 35 MARKS EACH)	70 MARKS
WARD ROUNDS (5 CASES X 5MARKS EACH)	25 MARKS
OSCE (5 STATIONS X 5 MARKS EACH)	25 MARKS
TOTAL	200 MARKS (A)
VIVA - [Viva including competency Assessment (60+20)]	80 MARKS (B)
LOG BOOK	20 MARKS (C)
AGGREGATE (CLINICAL + VIVA) TOTAL	300 MARKS (A+B+C)
MINIMUM REQUIRED FOR PASS (50%)	150 MARKS
DISSERTATION	APPROVED / NOT APPROVED

2. M.S. GENERAL SURGERY

PRACTICAL EXAMINATION

LONG CASE - (CASE SHEET WRITING + EXAMINATION- 30 MIN) (1 X 70 MARKS)	70 MARKS
SHORT CASE – (15 MIN EACH) (2 X 40 MARKS EACH)	80 MARKS
WARD ROUNDS (4 CASES X 10 MARKS EACH) (3 MIN EACH CANDIDATE)	40 MARKS
OSCE (5 STATIONS X 2 MARKS EACH) (3 MIN EACH CANDIDATE)	10 MARKS
TOTAL	200 MARKS (A)
VIVA - [Viva including competency Assessment (60+20)]	80 MARKS (B)
LOG BOOK (15 MIN EACH)	20 MARKS (c)
AGGREGATE (CLINICAL + VIVA) TOTAL	300 MARKS (A+B+C)
MINIMUM REQUIRED FOR PASS (50%)	150 MARKS
DISSERTATION	APPROVED / NOT APPROVED

3. M.S OPHTHALMOLOGY

Practical Examination :

CLINICALS	
LONG CASE – (1X (20+10)MIN) (1X50 MARKS)	50 MARKS
SHORT CASE – (2X(10+5)MIN) (2X25 MARKS EACH)	50 MARKS
FUNDUS (1X(10+5)MIN) (1X25 MARKS)	25 MARKS
REFRACTION (1X (10+5)MIN) (1X25 MARKS)	25 MARKS
WARD ROUNDS (5 CASES X (3+2)MIN) (5 CASES X 6 MARKS EACH)	30 MARKS
OSCE STATIONS (5 CASES X 2 MIN) (5 CASES X 4 MARKS EACH)	20 MARKS
TOTAL	200 MARKS (A)
VIVA - [Viva including competency Assessment (60+20)]	80 MARKS (B)
LOG BOOK	20 MARKS(C)

AGGREGATE (CLINICAL + VIVA) TOTAL	300 MARKS (A+B+C)
MINIMUM REQUIRED FOR PASS (50%)	150 MARKS
DISSERTATION	APPROVED / NOT APPROVED

4. MS ORTHOPEDICS

PRACTICAL EXAMINATION:

LONG CASE - (1X30 MIN EXAMINATION+ 30 MIN DISCUSSION) (1 X 75 MARKS)		75 MARKS
SHORT CASE – (3X 10 MIN EXAMINATION+ 30 MIN DISCUSSION) (3 X 25 MARKS EACH)		75 MARKS
WARD ROUNDS (3 CASES X 10 MIN) (3 CASES x 10 MARKS EACH)		30 MARKS
OSCE STATIONS (4 CASES X 5 MARKS EACH)		20 MARKS
TOTAL		200 MARKS (A)
VIVA - [Viva including competency Assessment (60+20)]	RECENT ADVANCES	80 MARKS (B)
	OPERATIVE ORTHOPEDICS	
	ORTHOTIC & PROSTHETICS	
	ORTHO RADIOLOGY	
LOG BOOK		20 MARKS (C)

AGGREGATE (CLINICAL + VIVA) TOTAL	300 MARKS (A+B+C)
MINIMUM REQUIRED FOR PASS (50%)	150 MARKS
DISSERTATION	APPROVED / NOT APPROVED

5. M.S. OBSTETRICS & GYNECOLOGY

PRACTICAL EXAMINATION

	CLINICALS	
LONG CASE	1 OBSTETRICS	50 MARKS
	1 GYNAECOLOGY	50 MARKS
SHORT CASE	1 OBSTETRICS	25 MARKS
	1 GYNAECOLOGY	25 MARKS
WARD ROUNDS- 3 CASES X 10 MARKS EACH		30 MARKS
ANTENATAL, FAMILY WELFARE, GYNAEC.		
OSCE- 4 STATIONS X 5 MARKS EACH		20 MARKS
TOTAL		200 MARKS (A)

VIVA - [Viva including competency Assessment (60+20)]	OBSTETRICS	40 MARKS (B1)
	GYNAECOLOGY	40 MARKS (B2)
LOG BOOK		20 MARKS (C)
AGGREGATE (CLINICAL + VIVA)		300 MARKS (A+B1+B2+C)
MINIMUM PASS (50%)		150 MARKS
DISSERTATION		APPROVED/ NOT APPROVED

MS OBSTETRICS & GYNAECOLOGY

VIVA VOCE- DETAILED SCHEME

OBSTETRICS	10 MIN / CANDIDATE	30 MARKS
1. DUMMY PELVIS 2. INSTRUMENTS 3. DRUGS 4. SPECIMENS 5. CTG/PARTOGRAM 6. USG		
GYNAECOLOGY	10 MIN / CANDIDATE	30 MARKS
1. INSTRUMENTS 2. SPECIMENS 3. USG 4.DRUGS 5. FAMILY WELFARE 6. ENDOSCOPY		

OSCE- DETAILED SCHEME

MANNED, COUNSELLING, CONSULTING ,BREAKING NEWS,	
COMMUNICATION SKILLS	BEREAVEMENT
CLINICAL EXAMINATION	MANNED

	MANNEQUN, PAP,AMSTL,CATHETERISATION
OUT PATIENT PROCEDURES	CTG, USG, Endometrial Sampling
IN-PATIENT PROCEDURES	EPISIOTOMY, UTERINE INVERSION CORRECTION, MRP LAPAROSCOPY, HYSTEROSCOPY,VULVAL LESION
SPOTTERS ON LAPTOP	SLIDES, VAGINAL LESIONS, STD, ENDOCRINES, ENDOMETRIOSIS
	ECTOPIC PREGNANCY, URO GYN, SURGICAL PROCEDURES, ONCOLOGY
PARTOGRAM	

1. DIPLOMA IN ANESTHESIOLOGY (D.A.)

PRACTICAL EXAMINATION

Particulars.	Maximum Marks.
Clinical Long Case 1 X 80 = 80 marks Short case 2 X 35 = 70 marks	150
OSCE – 5 stations x 5 marks	25
Ward Rounds/Case Scenario - 5 X 5 marks	25
Viva - [Viva including competency Assessment (60+20)]	80
Log Book	20
Total	300
Minimum for Pass	150

2. DIPLOMA IN CLINICAL PATHOLOGY (D.C.P.)

PRACTICAL EXAMINATION

The practical examination is scheduled for two days with the following exercises.

Clinical – Day 1

Forenoon

Microbiology Culture	- 25 marks
Gross spotters - 5x2 marks	- 10 marks
Cytology / hematology slides – 10x2 marks	- 20 marks

Afternoon

Histopathology techniques	- 10 marks
Special stains (Van Gieson, Perls, Reticulin, PAS)	- 5 marks
Pap Stain	- 5 marks

75 marks

OSPE – 2 stations x 5 marks	- 10 marks
Spotters – 2 spotters x 5 marks	- 10 marks

20 marks

Clinical – Day 2

Clinical Pathology (case examination and investigation)	- 25 marks
Histopathology slides – 5x2 marks	- 10 marks
Biochemistry	- 25 marks
Serology	- 15 marks

75 marks

scheme for distribution of marks:	
<u>Particulars</u>	<u>Marks</u>
Clinical	150
OSPE (2 x 5 marks)	10
Spotters (2 x 5 marks)	10
Viva - [Viva including competency Assessment (40+20)]	60
Log Book	20
Total	250
Minimum for pass	125

3. DIPLOMA IN DERMATOLOGY, VENEROLOGY AND LEPROSY (D.D.V.L.)

PRACTICAL EXAMINATION

CLINICALS			
One Long case x 50 marks			50 Marks
Two short cases x 25 Marks (Leprosy 1 + STD 1)			50 Marks
Ward rounds - and Spotters – (Ward rounds - 20 Marks + Spotters -30 Marks)			50 Marks
OSCE (10 Stations x 5 marks)			50 Marks
Clinical Total			200Marks(A)
VIVA			
VIVA - [Viva including competency Assessment (60+20)]	Dermatology (Including Leprosy) 40 + 10 marks	Discussion Instruments Drugs	80 Marks
	STD (10 marks)	Discussion Instruments Chats Kits & Condom	
LOG BOOK			20 Marks
Viva -			100 Marks (B)
Aggregate (Clinical + Viva Total)			300 Marks (A+B)
Minimum required Pass Marks			150 Marks

PRACTICAL EXAMINATION in DDVL Detailed

PARTICULARS	
Clinical Long case 1 x 50 = 50 Marks Short case 2 x 25 = 50 Marks	100 marks
Ward Rounds – 4 cases each 5 marks = 20 marks Spotters – 10 spotters x 3 marks = 30 marks	50 marks
OSCE/OSPE – 10 Stations x 5 marks	50 marks
Viva	80 marks
Log Book	20 marks
Total	300 marks
Minimum for pass	150 marks

Clinical Exam Detail –DDVL

I. LONG CASE			
Duration : 40 mins for Examination; 15 mins for Assessment Total – 55 mins	A)History		10 marks
	B) Physical findings & Clinical Bedside tests		15 marks
	C) Diagnosis and differential Diagnoses		5 marks
	D) Management		15marks
	1. Investigation	5 marks	
	2. General Measures	5 marks	
	3. Specific Treatment (Topical & Systemic)	5 marks	
	E) Communication & Counseling		5 marks
Total			50 marks
II. SHORT CASE			
STD Examination 15 mins Assessment 10 mins	Focused History		5 marks
	Physical Findings		5 marks
	Investigations		3 marks

Total – 25 mins	Diagnosis and differential Diagnoses		3 marks
	Treatment		3 marks
	Counseling		3 marks
	Follow up / Partner Management		3 marks
Leprosy Examination 15 mins Assessment 10 mins Total – 25 mins	Focused History		5 marks
	Physical Findings		10 marks
	Diagnosis		3 marks
	Management		7 marks
	Investigation	Treatment Medical Surgical, Counseling & Education	
Total (STD Case + Leprosy)			50 marks

4. DIPLOMA IN OBSTETRICS & GYNECOLOGY (D.G.O.)

PRACTICAL EXAMINATION

Particulars.	Maximum Marks.
Clinical Long Case 1 X 80 = 80 marks Short case 2 X 35 = 70 marks	150
OSCE – 5 stations x 5 marks	25
Ward Rounds/Spotters - 5 X 5 marks	25
Viva - <i>[Viva including competency Assessment (60+20)]</i>	80
Log Book	20
Total	300
Minimum for Pass	150

Long Case - Obstetrics – 1 X 80 marks = 80 marks

Short Case – Gynaecology - 2 X 35 marks = 70 marks

5. DIPLOMA IN OPHTHALMOLOGY (D.O.)

PRACTICAL EXAMINATION :

	No. of Cases		Examination	
Long Case	1		30 minutes	50 marks
Short Case	5	(5 X 20)	50 minutes	100 marks
Short Case (Clinical) 2				
Retinoscopy 1				
Funduscopy 2				-----
				150 marks
OSCE		5 stations x 4 marks		20 marks
Ward Rounds/Spotters		5 x 6 marks		30 marks
VIVA - [Viva including competency Assessment (60+20)]				80 marks
Log Book				20 marks
Total				-----
				300 marks

Minimum for Pass	150

6. DIPLOMA IN ORTHOPEDICS (D.Ortho.)

PRACTICAL EXAMINATION:

Particulars.	Maximum Marks.
Clinical Long Case 1 X 80 = 80 marks Short case 2 X 35 = 70 marks	150
OSCE – 5 stations x 5 marks	25
Ward Rounds/Spotters - 5 X 5 marks	25
Viva - <i>[Viva including competency Assessment (60+20)]</i>	80
Log Book	20
Total	300

Minimum for Pass	150
-------------------------	------------

7. DIPLOMA IN OTO-RHINO LARYNGOLOGY(D.L.O)

PRACTICAL EXAMINATION :

Particulars.	Maximum Marks.
Clinical Long Case 1 X 80 = 80 marks Short case 2 X 35 = 70 marks	150
OSCE – 5 stations x 5 marks	25
Ward Rounds/Spotters - 5 X 5 marks	25
Viva - <i>[Viva including competency Assessment (60+20)]</i>	80

Log Book	20
Total	300
Minimum for Pass	150

8. DIPLOMA IN PAEDIATRICS (D.C.H.)

PRACTICAL EXAMINATION :

Particulars.	Maximum Marks.
Clinical Long Case 1 X 80 = 80 marks Short case 2 X 35 = 70 marks	150
Ward Rounds / Spotters - 2 X 15 marks	30
OSCE – 5 stations x 4 marks	20
Viva - [<i>Viva including competency Assessment (60+20)</i>]	80

Log Book	20
Total	300
Minimum for Pass	150

9. DIPLOMA IN PHYSICAL MEDICINE & REHABILITATION

(D. Phy. Med. & R.)

PRACTICAL EXAMINATION:

Particulars.	Maximum Marks.
Clinical Long Case 1 X 80 = 80 marks Short case 2 X 35 = 70 marks	150
OSCE – 5 stations x 5 marks	25
Ward Rounds/Spotters - 5 X 5 marks	25
Viva - <i>[Viva including competency Assessment (60+20)]</i>	80

Log Book	20
Total	300
Minimum for Pass	150

10. DIPLOMA IN PSYCHIATRY (D.P.M.)

PRACTICAL EXAMINATION :

1. Clinical cases a) One Long case(Psychiatry) b) Two Short cases	1 x 80 45minutes	80 marks
i. Neurology ii. Psychiatry	2 x 35 20 minutes	70 marks
2. Spotters (5x5)		25 marks
3. OSCE		25 marks
4. Viva - [<i>Viva including competency Assessment (60+20)</i>]		80 marks

5. Logbook		20 marks
Total		300 marks
Minimum for pass		150 marks

11. DIPLOMA IN PUBLIC HEALTH (D.P.H.)

PRACTICAL EXAMINATION :

Particulars	. MaximumMarks
Clinical:	
Long case: Clinical Social case study	1 X 80 = 80 marks
Short case 1: Hotel & Lodging Inspection	1 X 35 = 35 marks
Short case 2:Public Health related	1 X 35 = 35 marks

Epidemiological exercises / problems	
OSPE - 5 stations	5 x 5 marks = 25marks
SPOTTER- Management Case Study	25 marks
Clinical:TOTAL	200 marks
Viva - <i>[Viva including competency Assessment (60+20)]</i>	80 marks
Log Book	20 marks
TOTAL	300 marks
Minimum for Pass	150 marks

12. DIPLOMA IN RADIO-DIAGNOSIS (D.M.R.D.)

PRACTICAL EXAMINATION :

PARTICULARS	MAXIMUM MARKS
Long case 1 x 60 = 60 Short case 2 x 45 = 90 (including ultrasound case demonstration)	150

Spotters (40 x1.25mark)	50
Viva - <i>[Viva including competency Assessment (60+20)]</i>	80
Log Book	20
Total	300
Minimum for pass (50%)	150

DMRD details:

CLINICAL EXAMINATION	NO. OF CASES	DURATION IN HOURS	MAXIMUM MARKS
I. LONG CASE	ONE	30 MINS	60
II. SHORT CASE	TWO	30 MINS	90
III. SPOTTERS	FORTY	40 minutes	50
		TOTAL	150

13. DIPLOMA IN RADIO-THERAPY (D.M.R.T.)**PRACTICAL EXAMINATION:**

Particulars.	Maximum Marks.
Clinical Long Case 1 X 80 = 80 marks Short case 2 X 35 = 70 marks	150

OSCE – 5 stations x 5 marks	25
Ward Rounds/Spotters - 5 X 5 marks	25
Viva - <i>[Viva including competency Assessment (60+20)]</i>	80
Log Book	20
Total	300
Minimum for Pass	150

14. DIPLOMA IN TUBERCULOSIS & CHEST DISEASES (D.T.C.D)

PRACTICAL EXAMINATION :

Particulars.	Maximum Marks.
Clinical Long Case 1 X 80 = 80 marks Short case 2 X 35 = 70 marks	150
OSCE – 5 stations x 5 marks	25

Ward Rounds/Case Scenario - 5 X 5 marks	25
Viva - <i>[Viva including competency Assessment (60+20)]</i>	80
Log Book	20
Total	300
Minimum for Pass	150

15. DIPLOMA IN DIABETOLOGY (D.Diab.)

PRACTICAL EXAMINATION :

Particulars	Maximum Marks
Clinicals Long case (1 case x 80 marks) – 80 marks Short cases (2 cases x 35 marks) – 70 marks	150

Ward rounds (5 cases x 5 marks)	25
OSCE (5 stations x 5 marks)	25
Viva - [<i>Viva including competency Assessment (60+20)</i>]	80
Log book	20
Total	300
Minimum for pass (50%)	150
