



MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

Grade 'A' Accredited by NAAC

Sector-01, Kamothe, Navi Mumbai -410 209

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Curriculum for Diploma in Dermatology, Venereology and Leprosy

Amended upto BOM- 55/2018, Dated 27/11/2018.

Amended History

1. Approved as per BOM– 04/2007, Item 12.1, Dated 14/12/2007.
2. Amended as per BOM-51/2017, [Resolution No. 1.3.23] , [Resolution No. 1.3.7.11(i)]; Dated 28/08/2017
3. Amended as per BOM-55/2018, [Resolution No. 4.13], [Resolution No. 4.5.4.2], Dated 27/11/2018.

INSPIRING MINDS



Mission

To improve quality of the life for individuals and community by promoting health, preventing and curing disease, advancing biomedical and clinical research and educating tomorrow's Physicians and Scientists.

Vision

By 2020 the MGM University of Health Sciences will rank one of the top private Medical Institution. This will be achieved through ground breaking **discoveries in basic sciences and clinical research** targeted to prevent and relieve human suffering, **excellence in Medical Education** of the next generation of academic clinicians and intrinsic scientists.

MGM University of Health Sciences will transform the **Education** of tomorrow's Physicians and Scientists conducting **Medical Research** to advance health and improving lives by providing world-class patient care.

Many see the 21st Century as the golden age of biomedical research. The MGM University of Health Sciences will position for leadership at the horizon of this new era to promote and stabilise stand human health with a standard of excellence.

SYLLABUS FOR D.D.V.L [Diploma in Dermatology , Venereology and Leprology]

- All contents given in MD syllabus are same except given below ✓
- Duration of course 2 years : ✓

Post graduate year -one

- History taking in STI's , Dermatology and Leprology
- Accurately describe cutaneous eruptions
- Generate a differential diagnosis appropriate to the clinical description
- Correlate the cutaneous disease with underlying medical problems
- Identify several therapeutic options for a given disease with familiarity of side effects of the various medications
- Demonstrate a mastery of basic dermatopathology with ability to generate differential diagnoses
- Demonstrate the surgical skills of punch biopsy, shave excision, simple excision and closure, cryosurgery, electrodesiccation and curettage
- Correctly perform and interpret KOH and Tzanck preparations.

Postgraduate year -two

- Demonstrate a greater ability to merge cutaneous findings with underlying disease in complex patients on the consultation service.
- Demonstrate a more extensive differential diagnosis with identification of the most likely diagnosis.
- Select the most appropriate therapy for a given cutaneous disease.
- Generate a differential diagnosis including the correct diagnosis of Dermatopathology.
- Demonstrate the surgical skills of layered closures, simple flaps, and advanced suturing techniques. Lasers , fillars , chemical peeling etc.
- Publish at least one article in journal in cooperation with faculty member.

Examinations

Board of examiners.

Practical and clinical examination

External examiners – 2 dermatologists as per the institute guidelines.

Internal examiners - 2 dermatologists as per the institute guidelines.

1. Practical and / or clinical examination will be held on 1-2 days.

Semi-long case	4	Dermatology	- 2	200 marks-total
		Venereology	- 1	
		Leprology	- 1	

Spots 10-12 spots for each candidate. 50 marks

Histopathology slides -5 slides discussion 50 marks

2. Viva: Instruments, Drugs, Specimen, X-ray, etc. 100 marks

Total marks 900 [internal assessment 100 + theory final 400 + practical final 400].

Candidates must secure minimum 50%marks in theory, practical, and internal assessment each separately to declare pass.

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POSTINGS:

General skin OPD	16 months
Minor OT	03 months.
Side laboratory	02 months.
STI clinic	03 months
Afternoon weekly specialty clinics.	
Psoriasis clinic	18 months
Pigmentation clinic	18 months
Leprosy clinic	18 months
Allergy clinic	18 months
Dermatosurgery clinics	18 months

COURSE CONTENTS:

Course content is same as MD except thesis.

Examination pattern:

The examination shall be held in the months of May and December or on such dates as may be decided by the Dean of the Institute and it shall be open to all candidates who have completed the prescribed course of study.

The examination shall consist of.

Internal assessment: 100 marks total. Theory 50 and practical 50 marks.

Theory papers 3 - 100 marks each [3 hours duration]

Paper 1 All medical basic sciences related to skin, mucus membrane and genitor urinary tract of both sexes of all ages.

Paper 2 Skin and mucus membrane diseases including recent advances and pharmacotherapeutics.

Paper 3 STI's including AIDS, leprosy - social aspects and control.

All papers would have following format

Essay - One long question of 30 marks.

Short notes - 6-7 short notes on covering the prescribed course.

All questions have to be attempted with no choice.

Board of examiners.

Practical and clinical examination

External examiners - 2 dermatologists as per the institute guidelines.

Internal examiners - 2 dermatologists as per the institute guidelines.

3. Practical and / or clinical examination will be held on 1-2 days.

Semi-long case	3	Dermatology	- 1	150 marks-total
		Venereology	- 1	
		Leprology	- 1	

Spots - 5 (10-12) spots for each candidate. 50 marks

Histopathology slides - 5 slides discussion 25 marks

4. Viva: Instruments, Drugs, Specimen, X-ray, etc. 75 marks

Total marks 700 [internal assessment 100 + theory final 300 + practical final 300].

Candidates must secure minimum 50% marks in theory, practical, and internal assessment each separately to declare pass.

SYLLABUS

Main subjects to be covered

Dermatology

Venereology

Leprosy

Dermatopathology

Dermatosurgery and cosmetology

Dermatology

Epidemiology: skin diseases.

Fundamental 1. History taking and examination of dermatological patient

2. Type of skin lesions
3. Distribution patterns.
4. Aids in diagnosis of skin diseases.etc.
- 5 pathophysiology and clinical aspects of pruritus.

Structure and development of skin.

Biochemistry and physiology of epidermis and its appendages including

1. Melanin synthesis
2. Keratinization
3. Pathophysiologic reactions of skin
4. Basic immunology
5. Genetics in relation to skin.

Biology and function of skin and appendages:

Skin changes across the span of life.

Biology of Inflammation, repair and carcinogenesis of skin

Skin diseases

1. Disorders of keratinization and epidermal proliferation.
2. Disorder effecting skin appendages, hair, nail, sebaceous glands, and apocrine glands, eccrine glands etc.
3. Benign and Neoplastic disorders of skin and sub cutis.
4. Inflammatory and neoplastic disorders of dermis
5. Genodermatosis.
- 6 Vesiculo bullous diseases pemphigus, pemphigoid, erythema multiformi, etc.
7. Disorders of pigmentation
8. Connective tissue disorders, sarcoidosis, scleredema, AN, paraneoplastic syndromes, Bechet's syndrome.

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subject
as MD
page 5, 6, 7

9. Disorders of mucous membranes.
- 10 Disorders of male and female genitalia.
11. Disorders due to physical agents, mechanical agents heat cold, light [photomedicine], radiation.etc.
12. Sports dermatology
13. Disorders due to chemical agents – reaction to chemicals, occupational dermatosis,
14. Pyodermas.
15. Fungal infections superficial and deep.
16. Viral infections and rickettsial infections
17. Parasitic infestations, insect bites and stings etc.

Dermatology in relation to internal medicine.

Nutritional diseases.

- Metabolic disorders -
- Diabetes mellitus
 - Amino acid metabolism
 - Porphyrin metabolism.
 - Lipoidosis
 - Dysproteinemias and agamma globulinemias etc.
 - Carcinoid syndrome
 - Glycolipid lipoidosis.
 - Calcinosis cutis.
 - Histiocytosis

Heritable disorders

Hematological system

Gastro-intestinal system

Endocrinal system

Neurocutaneous disorders.

Psychocutaneous disorders.

Cardiovascular and pulmonary system.

Allergic disorders

1. Anaphylaxis –urticaria, / angioedema.
2. Serum sickness
3. Reactions to drugs.
4. Cutaneous changes in disorder of altered reactivity. [GVH, CAD; Atopic, nummular dermatitis etc]

Veneral diseases

1. Anatomy of male female genitalia.
2. Syphilis and other treponemal diseases. Clinical features, diagnosis, treatment.etc.
3. Gonococcal infection and NGU.
4. Lymphogranuloma venerum
5. Chancroid
6. Granuloma inguinale.
7. Other disorders involving male, female genitalia.

8. STI control, reproductive health.
9. Epidemiology of STI'S.
10. AIDS in depth all aspects.

Leprosy

1. Epidemiology.
2. Pathogenesis, pathology.
3. Diagnosis – C/F classification, laboratory aids.
4. Reactions
5. Treatment of leprosy and reactions.
6. Leprosy control and rehabilitation etc

Therapeutics:

Evidence based dermatology

Topical therapy.

Systemic therapy.

Dermatosurgery and cosmetology

The course would consist of teaching basic techniques of dermatosurgery and laser.

Introduction to Basics of surgery, wound dressing Skin biopsy, electro surgery.

Cryo surgery .

Vitiligo surgery – all types of grafting tattooing.

Acne - scar revision, dermabrasion, chemical peeling, dermal filler substances, botox injections, cosmetics and its reactions.

Chemical peels all types.

Lasers in dermatology

Nevi and keloids cryosurgery, laser, electro surgery, lasers.

Hair – transplant surgery, laser hair removal.

Varicose veins and telangiectatic veins

Liposuction.

Derma fillers and soft tissue augmentation.

Nail surgery.

Teaching methods for dermatosurgery.

It would include at least 10 theory lectures, seminars, journal club. Practical demonstration of techniques by a faculty member, part of OT posting and dermatosurgery posting. They would also be assisting during procedures.

IN PURSUIT OF EXCELLENCE

MGM DEEMED UNIVERSITY OF HEALTH SCIENCES

Constituent Colleges

Navi Mumbai

M.G.M. Medical College
M.G.M School of Biomedical Science
M.G.M School of Physiotherapy
M.G.M New Bombay College of Nursing
M.G.M College of Nursing

Aurangabad

M.G.M. Medical College
M.G.M School of Biomedical Science
M.G.M School of Physiotherapy
M.G.M College of Nursing



MAHATMA GANDHI MISSION

AURANGABAD

- MGM's Jawaharlal Nehru Engineering College
- MGM's Institute of Management
- MGM's Mother Teresa College of Nursing
- MGM's Mother Teresa Institute of Nursing Education
- MGM's College of Journalism & Media Science
- MGM's Medical Center & Research Institute
- MGM's College of Fine Arts
- MGM's Dr. D. Y. Pathrikar College of Comp. Sc. & Tech.
- MGM's Hospital & Research Center
- MGM's College of Agricultural Bio-Technology
- MGM's Dept. of Bio-Technology & Bio-informatics.
- MGM's Inst. of Hotel Management & Catering Tech.
- MGM's Institute of Indian & foreign Languages & Comm.
- MGM's College of Physiotherapy
- MGM's Hospital, Ajabnagar
- MGM's Sangeet Academy (Mahagami)
- MGM's Institute Naturopathy & Yoga
- MGM's Sports Club & Stadium
- MGM's Institute of Vocational Courses
- MGM's Horticulture
- MGM's Health Care Management
- MGM's Junior College of Education (Eng. & Mar.)
- MGM's Sanskar Vidyalaya (Pri. & Sec. - Mar.)
- MGM's Clover Dale School (Pri. & Sec. - Eng.)
- MGM's First Steps School (Pre-Primary - English)
- MGM's Sanskar Vidyalaya (Pre-Primary - Marathi)
- MGM's School of Biomedical Sciences

NAVI MUMBAI

- MGM's College of Engineering & Technology
- MGM's Institute of Management Studies & Research
- MGM's Dental College & Hospital
- MGM's College of Physiotherapy
- MGM's College of Media Science
- MGM's Institute of Research
- MGM's New Bombay Hospital, Vashi
- MGM's Hospital, CBD
- MGM's Hospital, Kamothe
- MGM's Hospital, Kalamboli
- MGM's Infotech & Research Centre
- MGM's Pre-Primary School (English & Marathi)
- MGM's Primary & Secondary School (Eng. & Mar.)
- MGM's Junior College Science
- MGM's Junior College of Vocational Courses
- MGM's Florence Nightingale Inst. Nursing Edu.
- MGM's College of Nursing
- MGM's College of Law

NANDED

- MGM's College of Engineering
- MGM's College of Fine Arts
- MGM's College of Computer Science
- MGM's College of Journalism & Media Science
- MGM's Centre for Astronomy & Space Tech.
- MGM's College of Library & Information Science

PARBHANI

MGM's College of Computer Science

NOIDA (U.P.)

MGM's College of Engineering & Technology



MGM University of Health Sciences
(Education - Health Services - Research)
A Mission started, nurtured and Managed
by Professional Doctors, Scientists Engineers...



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Model Question paper

Paper I DDVL

Q 1

Describe anatomy and physiology of apocrine and eccrine sweat glands. Add a note on miliaria.

25 marks

Q 2

Describe anatomy of hair. Describe hair cycle and its applied aspects

25 marks

Q 3

Write short notes (Attempt any five out of six)

10 marks each

A Epidermotropism

B Histopathology of lichen scrofulosorum

C Foscarnet

D Heck's disease

E Lupoid sycosis

F ELISA in dermatology

Model Question Paper

Paper II DDVL

Q 1

Describe the etiology, clinical features and management of childhood dermatomyositis. 25 marks

Q 2

Give an overview of epidermal nevi. Discuss epidermal nevus syndrome. 25 marks

Q 3

Write short notes (Attempt any five out of six) 10 marks each

A halogenoderma

B photofacial

C Leech therapy in dermatology

D kerion

E Xanthasma palpebrum

F Systemic sunscreens

Model question paper

Paper III DDVL

Q 1

Discuss immunity in leprosy in detail.

25 marks

Q 2

A 25 year old male presented with an ulcer on the penis. How will you approach and manage this case?

25 marks

Q 3

Write short notes (Attempt any five out of six)

10 marks each

A Rifabutin

B Lazerine leprosy

C Bangladeshi syndrome

D Prevention of mother to child transmission in HIV

E Non Hodgkin's lymphoma in HIV

F Enfuvirtide



MGM INSTITUTE OF HEALTH SCIENCES, NAVI MUMBAI

MARKLIST FOR PRACTICAL AND VIVA-VOCE EXAMINATION

EXAM CENTRE: _____

DATE OF EXAMINATIONS: _____

EXAMINATION FOR DIPLOMA IN DIPLOMA IN DERMATOLOGY, VENEROLOGY & LEPROSY (DDVL)

Sr. No	Heading	Marks	
1.	Long Case - One	1 x 80 marks	80
2.	Semi long cases- Two	2 x 35 marks	70
3.	Spot Cases 5	5 x 10 marks	50
4.	Histopathology 5 slides	5 x 5 marks	25
5.	Viva Voce	75 marks	75
		Total Marks	300

Seat No	CLINICAL			Table & Viva-Voce			Grand Total 300 Marks
	Long Case 1 80	Semi Long Case 1 70	Semi Long Case 1 70	Spot Cases-5 50	Histopathology 5 slides 25	Viva Voce 75 Marks	

Name of Examiner	College	Signature

Resolution No. 1.3.7.11 (i) of BOM-51/2017: Resolved that the following Bioethics topics in PG Curriculum are to be included for PG students of all specialization and a sensitization of these topics can be done during PG Induction programme:

- Concept of Autonomy
- Informed Consent
- Confidentiality
- Communication Skills
- Patient rights
- Withholding / Withdrawing life-saving treatment
- Palliative Care
- Issues related to Organ Transplantation
- Surgical Research and Surgical Innovation
- Hospital Ethics Committee
- Doctor-Patient relationship

Resolution No. 1.3.23 of BOM-51/2017; Resolved to implement a Structured Induction programme (07 days) for PG students. Annexure-XI IV



MGM INSTITUTE OF HEALTH SCIENCES
Navi Mumbai

Induction Program for newly admitted Postgraduate students

Day 1	<ul style="list-style-type: none"> • Address by Dean, Medical Suptd, Director (Academics) • Pre-test • Communication Skills • Universal Safety Precautions • Biomedical Waste Management • Infection Control Policy
Day 2	<ul style="list-style-type: none"> • Emergency services • Laboratory services • Blood Bank services ✓ • Medicolegal issues • Prescription writing • Adverse Drug Reaction • Handling surgical specimens
Day 3	<ul style="list-style-type: none"> • Principles of Ethics • Professionalism • Research Ethics • Informed Consent • Confidentiality • Doctor-Patient relationship
Day 4	<ul style="list-style-type: none"> • Research Methodology
Day 5	<ul style="list-style-type: none"> • Synopsis writing
Day 6	<ul style="list-style-type: none"> • Dissertation writing • Statistics
Day 7	<ul style="list-style-type: none"> • ATLS • Post-test

The Induction Program will be conducted in the first week of June.
Timing: 9.30 am to 3.30 pm

(Prof. Dr. Siddharth P. Dubhashi)
Director (Academics)

Resolution No. 4.5.4.2 of BOM-55/2018: Resolved to have 10 short notes out of 11 (10 marks each) in all the papers in university examination for PG courses including superspeciality. To be implemented from batch appearing in April/May 2019 examination onwards for MD/MS/Diploma and August/September 2019 examination onwards for superspeciality.

Resolution No. 4.13 of BOM-55/2018: Resolved as follows:-

- (i) Slow learners must be re-designated as potential learners.
- (ii) Students scoring less than 35% marks in a particular subjects/course in the 1st formative exam are to be listed as potential learners. These learners must be constantly encouraged to perform better with the help of various remedial measures.
- (iii) Students scoring more than 75% marks in a particular subjects/course in the 1st formative exam are to be listed as advanced learners. These learners must be constantly encouraged to participate in various scholarly activities.



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