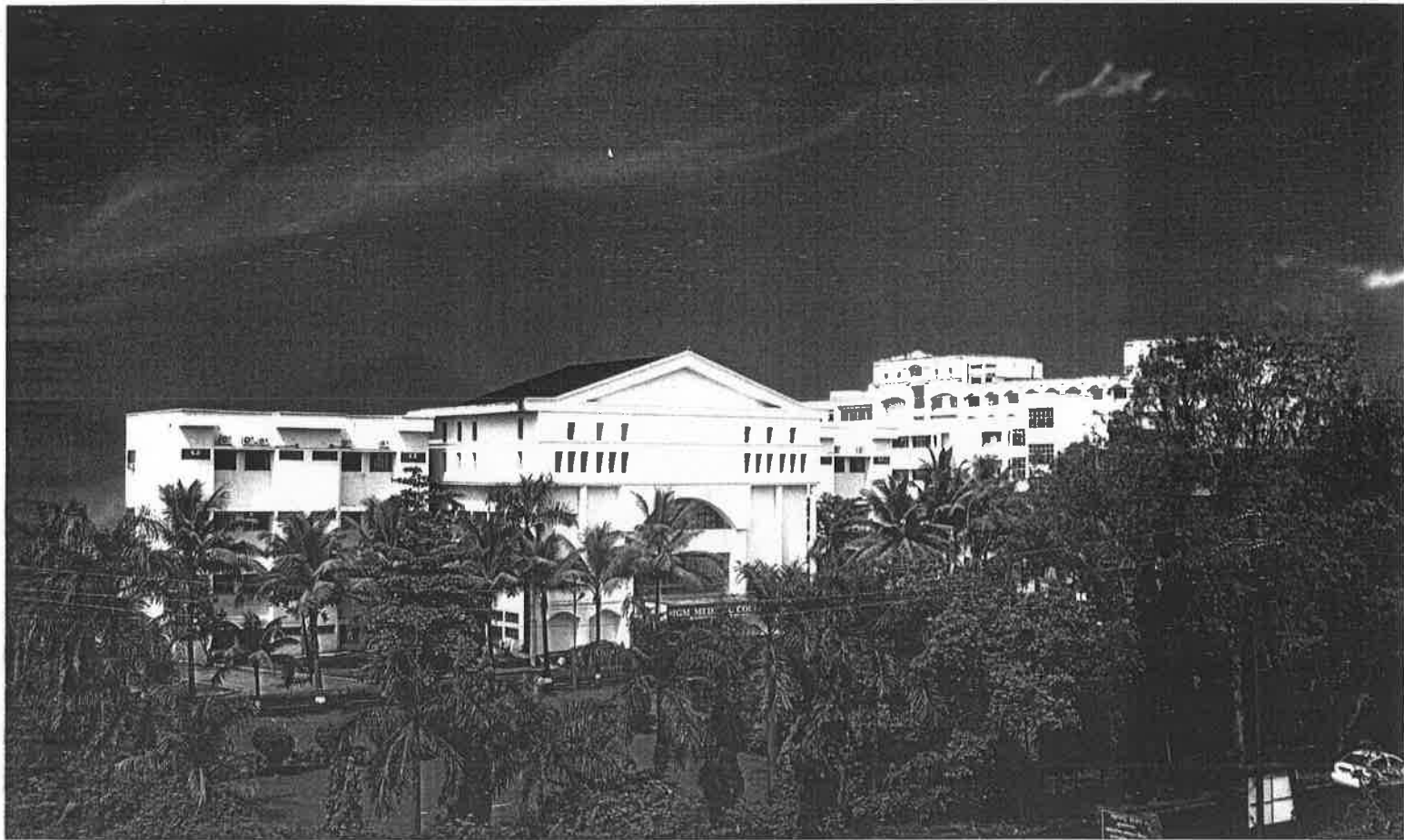


# Curriculum for MS Degree in ENT



**IN PURSUIT OF EXCELLENCE**



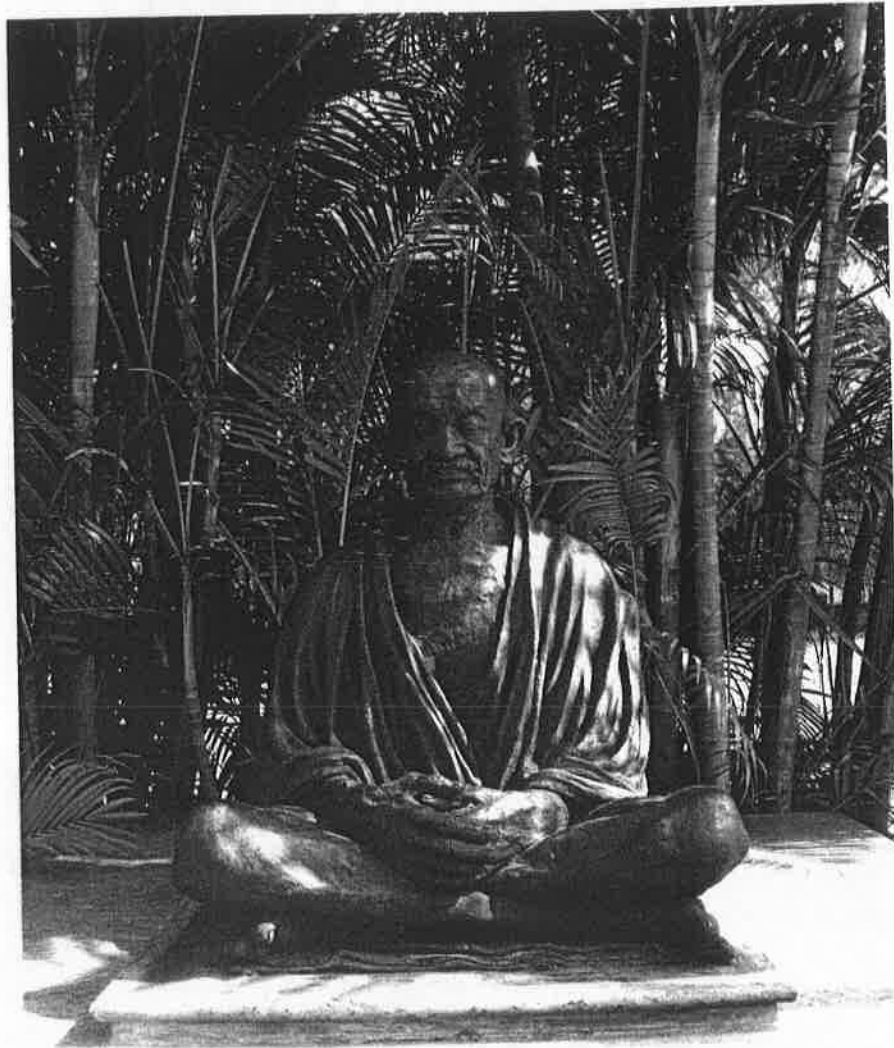
**MGM INSTITUTE OF HEALTH SCIENCES**

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

Navi Mumbai - 410 209

  
[www.mgmuhs.com](http://www.mgmuhs.com)

# 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 21<sup>st</sup> 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.

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## Chancellor's Message



It is my pleasure to welcome you to join constituent colleges of Mahatma Gandhi Mission's (MGM) University of Health Sciences, Navi Mumbai. I wish to avail this opportunity to apprise you and your parents about the academic excellence of the deemed university.

The MGM University of Health Sciences was established u/s 3 of UGC Act, 1956 vide HRD Notification No.F.9-21/2005-U.3(A) dated 30-8-2006. The MGM University is an outcome of untiring efforts of our educationists, professionals, social activists, technocrat, students and parents. The Mahatma Gandhi Mission Trust that manages the University of Health Sciences and over 40 institutions in Navi Mumbai, Aurangabad, Nanded, and Noida has the vision to empower the masses with the availability of state-of-the-art education. Most of our institutions have ISO certifications that further endorse our commitment to stringent quality standards. I am proud to state that we have succeeded in these accomplishments during our journey of the past 25 years.

I recollect the memories of struggle and determination when the MGM Trust established its two medical colleges, one each at Navi Mumbai and Aurangabad some twenty years ago. Both the medical colleges have grown into institutions imparting both undergraduate and postgraduate courses, and delivering quality health care to communities in their respective areas. While both colleges are engaged in their primary functions of teaching, patient care and research, they have

also excelled in their pursuit for advancement of science and in taking health services to communities through extension programmes. A shining example is the establishment of the Department of Infectious Diseases in 1993 in collaboration with the University of Texas-Houston, USA. This department has established the state-of-the-art clinical services and laboratories for research and care of infectious diseases and received the acclaim of Director General of ICMR when he stated "MGM is the first medical college in India to establish a separate department of infectious diseases. This is the need of the hour." The department has undertaken path-breaking research and shaped the course of our national control programmes on HIV/AIDS and tuberculosis. The original research of the constituent colleges has been acclaimed among the scientific world globally.

In an era of economic liberalization and the competition among varsities, both in and out of India, the task of grooming professionals who will compete with the best in the world, is tough. To aid our efforts to excel, MGM University of Health Sciences has the latest research facilities, a dedicated research faculty, as well as an array of distinguished visiting faculty members. The quiet ambience of our campuses, the well filled library with subscriptions to international and national journals, and the lush-green gardens add to our accomplishments.

Considering the manpower needs of

educational, industrial agricultural, and health sector to maintain their steady growth, several fresh M.Sc. courses have been launched. M.Sc. courses introduced at the

University from the current academic year shall provide knowledge, skills and subsequent employability that are at par with the counterparts in India and abroad. The curricula of the courses have been designed by experts and peer-reviewed with an emphasis on the job requirements of educational institutions, industries, health care, and research institutions. These courses will empower the students to choose a career in a classroom, a research laboratory or an industry. I am happy that the university is ticking towards the pinnacle with the introduction of these value-added postgraduate courses in medical biotechnology, medical genetics and other basic sciences.

Finally, I wish to place on record my gratitude to the founder members, stake-holders, faculty, staff, students and their parents for providing the MGM Trust with your advice and support.

Once again, it is my pleasure to welcome you to join constituent colleges of MGM University of Health Sciences' at Navi Mumbai and Aurangabad.

Kamal Kishore Kadam  
Chancellor



**Dr R.D.Bapat**  
**Vice Chancellor**



**Dr S.N.Kadam**  
**Pro Vice Chancellor**



**Dr N.N.Kadam**  
**Director (Examination)**



**Dr Ajit shroff**  
**Dean (Aurangabad Campus)**



**Dr Z.G. Badade**  
**Registrar**



**Dr G.S.Narshetty**  
**Dean (Navi Mumbai Campus)**

**SYLLABUS FOR DIPLOMA AND M.S. DEGREE IN ENT-HNS**  
**(OTOLARYNGOLOGY AND HEAD NECK SURGERY)**

**BASIC SCIENCES: -**

1. Anatomy, Ultrastructure of Human Ear.
2. Physiology of Hearing.
3. Physiology of Equilibrium.
4. Anatomy of the Nose & Paranasal sinuses.
5. Physiology of Nose & Paranasal sinuses.
6. Pathophysiology of Ear & Paranasal sinuses in Flight and Diving.
7. Mouth & Related Facio-Maxillary Structure.
8. Anatomy & Physiology of Salivary Glands.
9. Anatomy of Pharynx & Esophagus
10. Physiology of Deglutition.
11. Anatomy of Tracheobronchial tree.
12. Physiology of Respiration.
13. Anatomy of Thyroid & Parathyroid Glands.
14. Physiology of Thyroid & Parathyroid Glands.
15. Physiology & Reception of Speech.
16. Surgical Anatomy of Skull Base.
17. Clinical Neuro-Anatomy.
18. Imaging & Radiology.
19. Basic Immunology.
20. Microbiology related to ENT & HEAD, NECK Diseases.
21. Cell Biology.
22. Principles of Radiotherapy in Head & Neck Cancer.
23. Principles of Chemotherapy in Head & Neck Cancer.
24. Principles & Use of Nuclear Medicine.

25. Wound Healing.
26. Principles of Laser Surgery.
27. Intensive & High Dependency Care.
28. Anaesthesia in ENT & HEAD, NECK Surgery.
29. Biomaterials.
30. Medical Negligence in Otorhinolaryngology.

### OTOLOGY: -

1. Examination of Ear.
  2. Aetiopathology of Inflammatory Conditions of External & Middle Ear
  3. Pathology of Cochlea.
  4. Pathology of Vestibular System.
  5. Diseases of External Ear.
  6. Ear Trauma.
  7. Plastic Surgery of the Ear.
  8. Acute Suppurative Otitis Media.
  9. Management of Acute Suppurative Otitis Media
  10. Chronic Suppurative Otitis Media.
  11. Management of Chronic Suppurative Otitis Media.
  12. Reconstruction of the Ear.
  13. Complication of Suppurative Otitis Media.
  14. Otagia.
  15. Otosclerosis.
  16. Diseases of Temporal Bone.
  17. Sensorineural Hearing Loss.
  18. Sudden & Fluctuant Sensorineural Hearing Loss.
  19. Vertigo.
  20. Meniere's Disease.
  21. Ototoxicity.
  22. Vestibular Schwannoma.
- 
23. Epithelial Tumours of External Auditory Meatus.
  24. Glomus & Other Tumours of the Ear.
  25. Disorders of Facial Nerve.

26. Surgery of the Vestibular System.
27. Cochlear Implants.
28. Presbycusis.
29. Implantable Hearing Devices.

## **RHINOLOGY: -**

1. Examination of Nose.
2. Conditions of the External Nose.
3. Congenital Anomalies of the Nose.
4. Evaluation of the Nasal Airway & Nasal Challenge.
5. Abnormalities of Smell.
6. Mechanism & Treatment of Allergic Rhinitis.
7. Food Allergy & Intolerance.
8. Infective Rhinitis & Sinusitis.
9. Intrinsic Rhinitis.
10. Nasal Polyps.
11. The Nasal Septum.
12. Surgical Management of Sinusitis.
13. Complications of Sinusitis.
14. Cerebrospinal Fluid Rhinorrhoea.
15. The Upper Airways & their relation to the respiratory System.
16. Fracture of Facial Skeleton.
17. Rhinoplasty.
18. Epistaxis.
19. Snoring & Sleep Apnoea.
20. Non-Healing Granulomas.
21. Facial pain & Headache.
22. Aspects of Dental Surgery for Otorhinolaryngology.
23. Trans-Sphenoidal Hypophysectomy.
24. The Orbit.
25. Neoplasms of Nose & Paranasal sinuses.

## **LARYNGOLOGY & HEAD, NECK**

1. Examination & Endoscopy of the Upper Aerodigestive Tract.
2. Oral Cavity.
3. Acute & Chronic Infections of Pharynx & Tonsils.
4. Acute & Chronic Laryngitis.
5. Disorders of Voice.
6. Management of Obstructed Airway & Tracheostomy.
7. Trauma & Stenosis of Larynx.
8. Neurological Affections of Larynx & Pharynx.
9. Pharyngeal Pouches.
10. Tumours of the Larynx.
11. Angiofibroma.
12. Nasopharynx (the postnasal space).
13. Tumours of Oropharynx & Lymphomas of the head & Neck
14. Benign Diseases of Neck.
15. Malignant neck Diseases;
16. The Thyroid & Parathyroid Gland.
17. Non-neoplastic Salivary Gland Diseases.
18. Benign Salivary Gland Tumours.
19. Malignant Salivary Gland Tumours.
20. Tumours of Infratemporal fossa & Parapharyngeal space.
21. Cysts, Granulomas & Tumours of the Jaw, Nose & Sinuses.
22. The Esophagus in Otolaryngology.
23. Facial Plastic Surgery.
24. Plastic & Reconstructive Surgery of the head & neck.
25. Terminal Care of Patients with head & neck Cancer.

### AUDIOLOGY: -

1. Acoustics.
2. Computers in Audiology.
3. Epidemiology.
4. Otological Symptoms & Emotional Disturbances.
5. Clinical tests of Hearing & Balance.
6. Pharmacological Treatment of Hearing & Balance Disorders.
7. Legal & Ethical Matters.
8. Prevention of Hearing & Balance Disorders.
9. Hearing Overview.
10. Causes of Hearing Disorders.
11. Noise & the Ear.
12. Diagnostic Audiometry.
13. Audiological Rehabilitation.
14. Hearing Aids.
15. Cochlear Implants.
16. Tactile Aids.
17. Central Auditory Dysfunction.
18. Tinnitus.
19. Overview of Balance.
20. Causes of Balance Disorders.
21. Diagnostic Testing of Vestibular System.
22. Rehabilitation of Balance Disorders.

**PAEDIATRIC OTOLARYNGOLOGY: -**

1. Improving Paediatric Otolaryngological Consultation.
2. Genetic Factors & Deafness.
3. The Causes of Deafness.
4. Testing Hearing in Children.
5. Screening & Surveillance for Hearing Impairment in Preschool Children.
6. Otitis Media with Effusion.
7. Acute Suppurative Otitis Media in Children
8. Chronic Suppurative Otitis Media in Children.
9. Surgery of Congenital Abnormalities of the External & Middle Ear.
10. Management of Hearing Impaired Child.
11. Cochlear Implantation in Children.
12. Vestibular Disorders in Children.
13. Speech & Language.
14. Foreign Bodies in the Ear & Nose.
15. Congenital Anomalies of the Nose.
16. Craniofacial Anomalies.
17. Nasal Obstruction & Rhinorrhoea in Infants & Children.
18. Tonsils & Adenoids.
19. Dental development, Orthodontics, Cleft lip & Cleft palate.
20. Sleep Apnoea.
21. Stertor & Stridor.
22. Congenital Disorders of Larynx, Trachea & Bronchi.
23. Stenosis of Larynx.
24. Acute Laryngeal Infections.
25. Foreign Bodies in Larynx & Trachea.

26. Tracheostomy & Decannulation.
27. Home care of Tracheostomised Child.
28. Neonatal Pulmonary Disorders.
29. Diseases of the Esophagus in Children.
30. Branchial cleft Anomalies, Thyroglossal cysts & Fistulae.
31. Tumours of the Head & Neck in Children.
32. Salivary Glands Disorders in Children.
33. The Drooling Child.
34. Recurrent Respiratory Papillomatosis.
35. Paediatric Anesthesia.

### DISSERTATION

1. The dissertation is compulsory for the candidates registered for M.S. (ENT-HNS) and should include candidates own work under a supervisor qualified for the purpose and recognized as a postgraduate teacher by the university.
2. The subject of thesis along with a synopsis (about 200 words in the prescribed proforma) should be countersigned by the postgraduate teacher, head of the department and head of the institution. It should be submitted to the university within four months of registration as postgraduate student. No change in the dissertation topic or guide shall be made without prior approval of university.
3. The dissertation should be submitted under the following headings:
  - I. Introduction
  - II. Aims and objectives of the study
  - III. Review of literature
  - IV. Materials & methods
  - V. Observations
  - VI. Results
  - VII. Discussion
  - VIII. Conclusion
  - IX. Summary
  - X. Master chart
  - XI. References

4. If a work required for the thesis entails collaboration with other department or specialties, the collaborative portion of work will be supervised by a co-guides designated by the head of the institution. A co-guide should normally be a post graduate teacher in his own specialty, however, workers who have specialized in a particular field may be designated as co-guides by the Head of the institution. In cases where there is guide and co-guide for a thesis, the certificate required for submission of the thesis should be signed both guide and co-guide.
5. The subject of the thesis should as far as possible reflect the research priorities of the postgraduate department where the work is being done. The department should provide all facilities to the candidate and the candidate should not be asked to spend money on chemicals instruments etc. The Dean, Commandant/Principal of the college while submitting the topic of the thesis to the university for approval should make sure that the institution provides all facilities for the research work. The candidate should submit to the university six monthly progress report of thesis and his other postgraduate work through his Post-Graduate teacher, Head of the post graduate department and Head of institution.
6. If the progress of the candidate's work including thesis work is not satisfactory, the university on recommendation of the Head of the department; head of the institution and Dean of the faculty of medicine may not grant the particular term and the period of training will be extended by the number of terms not granted.
7. If there is a minor change in the topic of dissertation the same be allowed at any time. However if there is major change the student may allowed to change without keeping additional terms provided there is an interval of three clear terms between the date of application and date of examination.
8. Lectures, Seminars, Journal club etc: The Post-graduate departments will organize lectures, seminars, symposia, tutorials, journal clubs, grand rounds and clinical meetings to keep the student abreast with the latest developments in the subject and ensure active participation by all PG students. 80% attendance is mandatory in these activities for grant of terms.
9. Log Book: Each PG student shall maintain a logbook of all academic activities, surgeries assisted and performed independently on a monthly basis. This logbook shall be signed by the Guide and Head of the department with their remarks on the progress of the student. This Logbook shall be produced at the time of Final Practical Examination as a record of academic and surgical work performed by the student over his training period.

## **SCHEME OF EXAMINATION**

*(As per Direction No. 01/2008 dtd. '26/05/2008)*

### **RECOMMENDED BOOKS: -**

1. Scott-Browns Otolaryngology.
2. Paparella Otolaryngology.
3. Shambaugh/Glasscock - Surgery of Ear.
4. Logan & Turner Diseases of ENT.
5. Ballenger Snow Otolaryngology.
6. Diseases of the Head & Neck by Cummins
7. Surgery of the Head & Neck – Stell & Maran
8. Rob & Smith Operative ENT Surgery.
9. Lore — Operative ENT Surgery.

### **RECOMMENDED JOURNALS: -**

1. Indian Journal of Otolaryngology and Head neck Surgery.
2. Otology & Neurotology
3. Journal of Laryngology & Otology
4. Laryngoscope. -
5. Annals of Otorhinolaryngology.
6. Archives of Otorhinolaryngology.
7. Otolaryngology Clinics of North America.

for middle ear operations using operating microscope and for other head and neck surgical procedures including endoscopic (FESS) sinus surgery using endoscopes during 2<sup>nd</sup> & 3<sup>rd</sup> year of Residency on a regular basis before/during exposure of particular batch of students to real operative procedures in patients.

**Postgraduate examination (50% marks for theory and 50% marks for clinical/practical)**

Thesis to be submitted by each candidate at least 6 months before the commencement of theory examination.

**The Examination for the degree (MS-ENT) shall consist of**

- 1) **Theory Exams: Papers**
- 2) **Practical Exams: - Clinical, Oral, instruments/specimen/X-rays.**

1. **Theory:** There shall be four papers: Each being of three hours duration.

Each paper may have 8-10 short questions from the curriculum.

**Paper I:** Basic Sciences related Otolaryngology

**Paper II:** Principles and Practices of Otolaryngology

**Paper III:** Recent advances in Otolaryngology and Head Neck surgery.

**Paper IV:** General Surgical Principles & Head-Neck Surgery.

2. **Practical Examination**

- a) Identification of Surgical Pathology, excised specimens & discussion, Reading X-rays & CT Scan/MRI/  
Identification of Instruments & discussion, interpretation as audi vestibular investigations such as audiogram, ABR, ENG etc. simulated surgical situation/steps of operative procedures, required instruments/discussion.
- b) **Clinical Patient presentation/discussion:**
  - i. One long case: The long case will be structured, comprising - history taking, clinical examination, investigations,

**MGM INSTITUTE OF HEALTH SCIENCES, NAVI MUMBAI**

### MARKLIST FOR PRACTICAL AND VIVA-VOCE EXAMINATION

**EXAM CENTRE:** \_\_\_\_\_ **COURSE / EXAM :** PG – \_\_\_\_\_

**DATE OF EXAMINATION:** \_\_\_\_\_ **EXAMINATION FOR:** M.S. (ENT)

Seat No	1. CLINICAL CASES				TABLE AND VIVA VOCE						GRAND TOTAL (1+2) 400 Marks
	Long Case 1	Short Case 1	Short Case 2	TOTAL	Operative	Instruments	Specimens Histopath, Bones(temporal, skull)	Investigations (CT, MRI audiogram, BERA, PTA impedence, X- rays)	Dissertation Viva	VOCE TOTAL	
	100	100	100	300	22.5	22.5	22.5	22.5	10	100	
NAME OF EXAMINER				COLLEGE				SIGNATURE WITH DATE			
1.											
2.											
3.											
4.											

# Paper wise Distribution of Topic

SN	COURSE TITLE	SUBJECT NAME	PAPER NO. & TOPICS	
	MD	Community Medicine	I	History of Public Health and Community Medicine Behavioural Sciences & Health, Information, Education, Communication & counseling, Microbiology including Entomology, Parasitology & Immunology. Environmental Health and ecology, General Epidemiology, Biostatistics and research Methodology
			II	Diet & nutrition in health and disease, Epidemiology of communicable diseases and Non-communicable diseases, Occupational Health
			III	Maternal Health & Child Health, Demography & Family welfare, Cares of special groups viz. school health, adolescent health and geriatrics, Care of disabled, community based Rehabilitation Tribal health, Desert Medicine. Public Health emergencies and calamities
			IV	Health & Hospital administration, Health Care delivery including National health programmes, Public Health legislation, Genetics and counseling, Mental Health, International Health, Voluntary Health Organisations, NGOs.
	MD	ENT	I	Basic Sciences related Otolaryngology
			II	Principles and practices of Otolaryngology
			III	Recent advances in Otolaryngology and Head Neck Surgery
			IV	General Surgical principles & Head Neck Surgery
	MD	MD Dermatology	I	Basic sciences, anatomy physiology, biochemistry, pathology etc. in relation to specialty
			II	Principals of dermatology diagnosis and therapeutics
			III	Venereology and Leprology principals of diagnosis and therapeutics
			IV	Dermatology in internal medicine, including applied clinical aspects, therapeutics, pathology, immunopathology, bacteriology and recent advances.

## 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

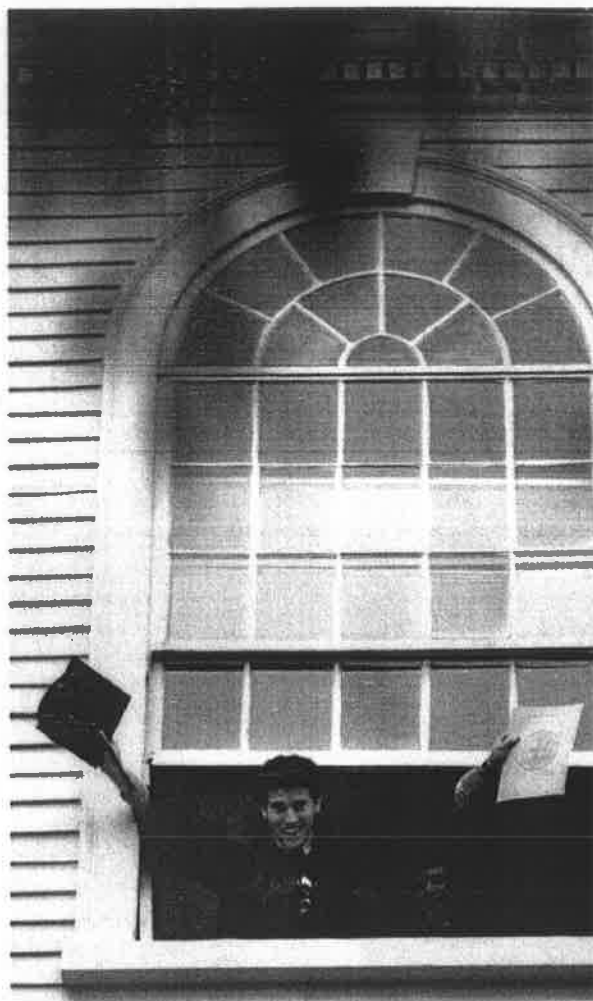
- MGM's College of Engineering
- MGM's College of Fine Arts
- MGM's College of Computer Science
- MGM's College of Journalism & Media Science
- MGM's Centre for Astronomy & Space Tech.
- MGM's College of Library & Information Science

### 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...



**MGM INSTITUTE OF HEALTH SCIENCES**

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



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Kamothe, Navi Mumbai - 410209  
Ph : - 022-27422471, 65168127, 65138121 Fax : 022-27420320  
E-mail : [mgmuniversity@mgmuhs.com](mailto:mgmuniversity@mgmuhs.com)  
Website: [www.mgmuhs.com](http://www.mgmuhs.com)

**Resolution passed in BOM – 48/2017, dated 24/01/2017**

**Resolution No. 5.25:** Resolved to institute 6 monthly progress Report for PG Students of all Courses from the batches admitted in 2016-17. **[Annexure-XVII of BOM-48/2017]**



**Mahatma Gandhi Mission's Medical College and Hospital  
Navi Mumbai**

**Six monthly Progress Report for Postgraduate Students**

**PART A**

Name of the PG student: \_\_\_\_\_

Department: \_\_\_\_\_

Admitted in (Month and Year): \_\_\_\_\_

Name of the PG guide: \_\_\_\_\_

Report for the period: \_\_\_\_\_ to \_\_\_\_\_

Attendance: \_\_\_\_\_ days ( \_\_\_\_\_ %)

**PART B**

**Grading as per performance**

Grade	Percentage
A	80% and above
B	65% to 79%
C	50% to 64%
D	Below 50%

1. OPD work:
2. Ward work:
3. Lab work:
4. OT work:
5. ICU work:
6. Teaching assignments:

### PART C

#### Progress of Thesis

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### PART D

*Activities from serial No. 1 to 5 should be rated on a scale of 0 to 10.*

#### 1. Case Presentations

Sr. No.	Topic	Date	Guide	Marks

#### 2. Microteaching

Sr. No.	Topic	Date	Guide	Marks

#### 3. Recent Advances

Sr. No.	Topic	Date	Guide	Marks

#### 4. Seminars

Sr. No.	Topic	Date	Guide	Marks

#### 5. Journal Clubs

Sr. No.	Journal	Title of Paper	Date	Guide	Marks

#### 6. Marks obtained in tests

Sr. No.	Date	Theory / Practical	Marks obtained

#### 7. Any other academic activity conducted:

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## PART E

### 1. Papers presented

Sr. No.	Title of Paper	Authors	Event	Date

### 2. Posters presented

Sr. No.	Title of Poster	Authors	Event	Date

### 3. Publications

*(Note: Mention only those publications that are published or are accepted for publication during the said period only)*

Sr. No.	Title of Paper	Authors	Journal	Year/Vol/ Issue	Page Nos	Indexed/ Non-Indexed	Status

### Certificate by the PG Guide

This is to certify that Dr. \_\_\_\_\_, has an attendance of \_\_\_\_\_% , during the period \_\_\_\_\_ to \_\_\_\_\_. His /Her performance during the said period has been **satisfactory/ average / unsatisfactory.**

**Overall Grading:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Name and Signature of PG guide:**

---

### Certificate by the Head of Department

This is to certify that the performance of Dr. \_\_\_\_\_, during the period \_\_\_\_\_ to \_\_\_\_\_, has been **satisfactory/ average / unsatisfactory.**

**Overall Grading:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Name and Signature of HOD:**

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### Final Remarks

**Satisfactory / Average / Unsatisfactory**

**Director (Academics)**

**Dean**

**Date:**

---

MS ENT

**Resolution No. 1.3.10.11 of BOM-51/2017:** Resolved to have 50 hours of mandatory teaching per year for PG students. **Annexure-XVIII**

## Lectures for Post Graduates

### MS ENT

#### EAR

1. Embryology and anatomy of physiology middle ear cleft
2. Chronic ear discharge
3. Congenital disease of external and middle ear
4. Tympanic membrane perforations
5. CSOM
6. Retraction pocket and cholesteatoma
7. Complication of CSOM
8. Mastoidectomy
9. Evolution of surgery of middle ear cleft
10. Facial nerve palsy
11. Investigations and management of VII nerve palsy
12. Recent advances in management of VII nerve
13. Vertigo – Causes, Management
14. Tinnitus and SNHL
15. Congenital SNHL – Causes, Management
16. Rehabilitation of Deaf, Mute child
17. Cochlear implant - Candidacy, Surgery and recent advances
18. Tumors of middle ear cleft
19. Acoustic Neuroma
20. Menieres Disease
21. Audiometry

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## Nose

1. Embryology and anatomy of physiology nose and PNS
2. Deviated nasal septum
3. Allergic rhinitis and asthma
4. Unified Airway
5. Lateral nasal wall -Anatomic Anamolies
6. Sinusitis - Causes and management
7. FESS
8. Nasal polyp - etiology and management
9. Chronic granulomatous diseases of nose and PNS

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11. Midline granuloma
  12. Tumors of nose and PNS
  13. Inverted papilloma - Management
  14. Carcinoma of nose and PNS - Management
  15. CT Scans ,MRI - PNS
  16. Use of cryo and laser
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1. Embryology , Anatomy ,Physiology of pharynx
  2. Ulcers of oral cavity
  3. Tonsillitis
  4. Quinsy
  5. Parapharyngeal abscess
  6. Retropharyngeal abscess
  7. Ludwigs angina
  8. JNA
  9. Surgical approaches for JNA
  10. Ca Nasopharynx

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12. Malognancy of oropharynx
  13. Malignancy of laryngopharynx
  14. Dysphagia
  15. Oesophagoscopy
  16. Head and Neck oncosurgery with reconstruction
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## Larynx

1. Embryology , Anatomy and Physiology of Larynx
2. Acute and Chronic Laryngitis
3. Laryngeal paralysis
4. Benign tumors and benign lesions
5. Malignant tumors – Supraglottis, glottis and subglottis
6. Hoarseness
7. Stridor
8. Tracheostomy
9. Laryngeal stenosis
10. Laryngoscopy
11. Bronchoscopy
12. Use of cryo and laser
13. Midline and lateral neck swellings
14. Thyroid gland
15. Thyroid swellings
16. Thyroid surgery

**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

All PG.  
30 copies

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

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)

MS ENT

Resolution No. 3.8.2 of BOM-52/2018: It was resolved to have the following Allied posting for PG students:

**e) ENT:**

**Mandatory postings:**

- |     |                    |         |
|-----|--------------------|---------|
| I.  | Emergency Medicine | 30 days |
| II. | SICU               | 30 days |

**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.