Name of Student: ___________________________________________
Address: ___________________________________________
STD & Tel. No.:               ____________________________________________
Batch: 2015-16
Roll No : _________________
Duration: 5 & ½ years (including internship)

NOTE

The students whose attendance / internal evaluation marks are less than the minimum requisites (as described in the section of “General Rules & Regulations” on P. iv - v) or who have not paid the requisite college fees will not be sent up for I M.B; B.S. examination till the deficiencies are rectified and the forms will be sent up only for the University examination conducted after the requisite minimum standards are met with or the fees are paid.
AMC MEDICAL EDUCATION TRUST
Smt. N.H.L. Municipal Medical College

Students’ Information Brochure

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DEPARTMENTS

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</tr>
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</tr>
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</tr>
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<td>Community Medicine</td>
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<td></td>
</tr>
<tr>
<td>Community Medicine</td>
<td>Otorhinolaryngology</td>
<td></td>
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<tr>
<td>Community Medicine</td>
<td>Community Medicine</td>
<td></td>
</tr>
</tbody>
</table>

Duration of Semesters of I MBBS only

<table>
<thead>
<tr>
<th>Semester</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>I&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; August to 31&lt;sup&gt;st&lt;/sup&gt; January</td>
</tr>
<tr>
<td>II&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; February to 31&lt;sup&gt;st&lt;/sup&gt; July</td>
</tr>
</tbody>
</table>

@ Includes I periodic & I terminal examinations. $ Includes II periodic & preliminary examinations
On behalf of N.H.L. Municipal Medical College faculty and staff, I take this opportunity to welcome you.

Ours is a remarkable; unique premier institution providing excellent clinical education and scientific research training to our students. Since 1963 it has played a major role in training health professional and providing health care to people of Ahmedabad; Gujarat and neighboring States.

Traditionally education; clinical care; community services and research have been the corner stone of our mission.

Our goal is to provide excellent graduate and postgraduate learning experience to outstanding students to become tomorrow’s health care leaders, educators and researchers.

The college is affiliated to Gujarat University and is recognized by Medical Council of India for imparting training for U.G., P.G., Super Specialty & Diploma courses in various medical specialties and super specialties e.g. Medicine; Surgery; Orthopedic; E.N.T.; Ophthalmology; Neuro Surgery; Pediatrics’ to name the few.

Three big general hospitals and 2 specialty hospitals having almost 2200 beds are attached to college for clinical training. Our students learn from very talented, renowned and successful Physician and basic science faculty and physician Assistant in an environment of cutting edge clinical practice; scientific discovery and scholarly activity. Students who join our college are eligible to complete their U.G. Course (150 annual intake) and can also join the various postgraduate degree and diploma courses.

We are proud of our tradition of training excellent primary care physicians and consultants. Today there is great opportunity to understand and cure diseases and it is within the context of these limitless possibilities we seek to educate the physicians and scientists for a new millennium.

I wish to inform that this college is today among the top best 20 medical colleges in India as per latest survey. With your active co-operation, we may make it in top 10 in coming years.

With best wishes

Dr. Pankaj R. Patel

Dean
OUR INSTITUTE

Smt. N.H.L. Municipal Medical College was founded in 1963 with capacity of 75 annual admissions, later increased to 100 from 1964 and 150 from year 2000 onwards. Ahmedabad Municipal Corporation was only the second Municipal Corporation - next to Mumbai - to establish a medical college of its own. From its humble beginning, it has now blossomed into one of the most advanced and prestigious medical colleges in the country today. The objective of the college is not only to produce a good doctor but good citizen with empathy for poor patients.

The college came into being with pious Triveni Sangam of generous donation of Rs. 14.25 Lakhs from Smt. Nathiba Hargovandas Lakhmichand charitable trust, laudable policy of Ahmedabad Municipal Corporation to promote medical education and to provide best possible medical care to the citizens of Ahmedabad and the dedication of Dr. M.D. Desai, the then Superintendent of Sheth V.S. Hospital and founder Dean of the college.

The college was inaugurated in 1963 by Mr. Morarji Desai, the then Finance Minister of India at an inaugural function presided over by Dr. Sushila Nayyar, the then Health Minister of India and Mr. Jaykrishna Harivallabhadas, the then Mayor of Ahmedabad. The present premise of the college building was inaugurated in 1975 by Mr. Justice B.J. Divan, Chief Justice of Gujarat High Court.

During the study period of 5 ½ years {including 1 year of internship}, emphasis is placed not only on classroom and laboratory teaching but also on clinical teaching in wards. Five affiliated teaching hospitals - {1} Sheth V.S. Hospital which is the main hospital located within the campus, {2} Smt. S.C.L. Hospital located at a distance of 5 kms. In Saraspur, {3} Sheth C.H. Nagri Eye Hospital located at a distance of 1 ½ kms. near Gujarat College, {4} Infectious Diseases Hospital located at a distance of 1 ½ kms. in Jamalpur and {5} Sheth M.K. Tuberculosis & Chest Diseases Hospital located at a distance of 2 kms. in Astodia - together have more than 1900 teaching beds where ample clinical material of all varieties is available in abundance.

The college has a well equipped library with around 24,000 books and Meddler linkage and Internet facilities. More than 100 journals in the print / electronic media are being subscribed. Please visit our website for any other details and the new events/updates – www.nhlmmc.edu.in
The College Emblem & Logo

The college emblem, devised by Dr. M.D. Desai, Founder Dean, shows in the center “Three Gates” of Ahmedabad framed by the artistically carved wooden arch (Toran) symbolizing the rich cultural heritage of the city. The frame and the gates also symbolize the portal of entry into the field of medicine, the noblest profession in the world.

Above the frame is the “Swastika”, the symbol of well being signifying that the dominant thought in the mind of the doctor should be the welfare of his patients.

A “Retort”, the symbol for alchemy, depicting man’s unending search of the elixir of life - “Amrit” replaces the traditional coconut to remind that the primary duty of the doctor is to bring welfare and longevity to his patients through untiring efforts.

The logo is from Rig-Veda 10:25. It means “Lead our minds towards the auspicious and make them agile and ready to work”.

The Students’ Unique Number {SUN}

Upon your admission in the college, you will be allotted a “Students’ Unique Number {SUN}” which will be unique for each student and will remain constant throughout your career. Please remember your SUN as it will be easy to trace, at any time in future, all the records of your studies, transcripts, etc. which will be based upon the SUN.

The Curriculum

The college is affiliated to Gujarat University and follows the new course curriculum as prescribed by M.C.I. *in toto*. The study period of 5 ½ years is divided into four phases as under:

<table>
<thead>
<tr>
<th>#</th>
<th>Academic year</th>
<th>Part</th>
<th>Phase</th>
<th>Duration {Yrs.}</th>
<th>Semester *</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>I M.B;B.S.</td>
<td>Pre-clinical</td>
<td>I</td>
<td>I &amp; II</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>II M.B;B.S.</td>
<td>Para-clinical</td>
<td>1 ½</td>
<td>III, IV &amp; V</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>III M.B;B.S.</td>
<td>I Clinical</td>
<td>I</td>
<td>VI &amp; VII</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>II Clinical</td>
<td>1</td>
<td>VIII &amp; IX</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Internship</td>
<td>Post-examination</td>
<td>1</td>
<td>Int I / II / III / IV ^</td>
<td></td>
</tr>
</tbody>
</table>

* Semesters are of six months’ duration each during I / II / III M.B.B.S. {Part I & II}. and of three months’ duration each during internship. ^ Internship training is distributed into four quarters of three months’ duration each.

**Note:** Ward teaching in clinics begins from III semester {II M.B.B.S. I term} and extends up to IX semester {III M.B.B.S. III term}.

Each semester comprises of approximately 120 days of teaching with 8 ½ hours of teaching work. Examinations are taken at the completion of the respective terms and ward postings throughout the course of study. Preliminary examinations based upon the pattern of the respective university examination for I / II / III {Part I & II} M.B.B.S. are taken before the University examination. As per the current guidelines of the University, minimum 75% attendance and 35% marks are required to be eligible to appear at the University examination.

The degree of M.B.; B.S. is awarded by Gujarat University after successful completion of internship.
General Rules & Regulations

1. Regularity: Regularity in attending all teaching learning sessions - i.e. lectures, tutorials / group discussions, practical, clinics, project work, etc. is essential. You must bring journals and study material in lectures and practical classes / dissection. You must wear apron while in the college premises. The student must have attended minimum 75% of each theory & practical classes in each term for being eligible to appear at I M.B;B.S. examination.

2. Internal Evaluation: You are expected to take all the internal tests / examinations as scheduled. Score from each test / examination contributes to the total internal evaluation marks, both in theory and practical. The student must obtain minimum 35% of total internal evaluation marks in theory & practical separately in all the subjects for being eligible to appear at I M.B;B.S. examination of Gujarat University.

There will be one terminal and the preliminary examination in theory and practical. The preliminary examination will be based upon the pattern of the University examination. The marks obtained at these examinations will be taken into account while computing the internal evaluation marks for theory and practical.

3. Payment of fees & Dues: You are expected to pay the college tuition fees, other expenditure for course materials and journals and other dues in as per schedule.

4. I M.B;B.S. Examination: University examination of I M.B;B.S. will be conducted by Gujarat University after two semesters. The students whose attendance / internal evaluation marks are less than the minimum requisites or who has not paid the requisite college fees will not be sent up for I M.B;B.S. examination till the deficiencies are rectified and the forms will be sent up for the University examination conducted only after the requisite minimum standards are met with. As per current regulations, maximum four attempts only are permitted at I M.B;B.S. examination.

5. Accessories: You should buy the following immediately as they would be required while attending the practical: {a} Dissection kit comprising of {i} Scalpels size 21 2"-3"; {ii} Dissection forceps blunt end and pointed end; {iii} Knife; {iv} Tooth forceps 6" strong; {v} Pen torch & {v} Probe pointed dissector. {b} A set of human bones. {c} Two white aprons full size. {d} File or note book for writing notes. {e} Journals for writing notes in practical classes

6. Discipline: You must maintain discipline and decorum while in the classes or while dissecting the bodies or in the college or within the college / hospital premises. Students are expected to be polite individually as well as in groups and show respect to all the teaching and non-teaching staff members, patients and cadavers. They are not expected to participate in such activities which harm the academic environment or teacher-student relationship or fellow students. Ragging in any form is not permitted and severe disciplinary action would be taken in case any student is found to indulge in ragging. Details about the anti-ragging committee are available on our institute website – www.nhlmmc.edu.in. Your parents will be informed about your progress periodically. Every student must carry his / her identity card at all times and must produce when demanded.

7. Extra Curricular Activities: Extra-curricular activities have a definite place in the life of the students and are supported and encouraged by the college. However, these activities should never be at the expense of time allotted for curricular / academic programmes. Such activities should not lead to absence of students from teaching-learning sessions. Absence from teaching-learning sessions due to participation in such activities not specifically approved / authorized by the University / College will be treated as unauthorized absence and dealt with accordingly.

8. Student-Teacher Relationship: A healthy student-teacher relationship goes a long way in the development of students, faculty and also the college. Do not hesitate to bring forth / discuss your genuine problems or to give your suggestions. Feel free to communicate about your difficulties, comments and suggestions to the senior faculty to make the teaching learning process more effective. Please also remember we expect due decorum, due respect to teaching and non-teaching staff members and disciplined behavior from you while within the premises of the college and hospitals.

Wishing you all a fruitful academic & professional career from me and all the teaching and non-teaching members
Tips To Freshers

1. Get used to new technical terms which are mainly based upon Latin roots of English words. Always keep a pocket medical dictionary with you at all times. Do not hesitate to look up the word in the dictionary or ask its meaning.

2. Get familiar with the topic by reading about it from the text-book before the lecture.

3. Develop the habit of taking down notes of the main points of the lecture. Pay attention to the teacher when he is delivering the lecture. Listen to the teacher carefully. Pay attention to the points on which the teacher puts special emphasis.

4. Read the topic of the lecture again from the text-book at home. Supplement your class notes.

5. Review and discuss the topics with your friends in small groups. Develop the habit of participating in the discussion. Develop the habit of speaking in English.

6. The students who have studied in local medium will face difficulty in getting adjusted to the new environment. The medium of instruction in the medical college is English. Such students should also study English as a language to be able to comprehend and express fluently in English.

7. A successful clinician has a strong background of basic sciences, which form the foundation of understanding and practicing the art and science of Medicine and Surgery.
Department-wise details

(Syllabus and marking pattern of those subjects not included in this brochure will be discussed at the time of your teaching-learning sessions in those departments)

Department of Anatomy

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books Recommended For Study

{a} Text Books
1. Cunningham’s manual of practical Anatomy Vol. I / II / III OR Grant Dissector (Patrick W Tank)
2. Human Anatomy by Chaurasia Vol. I / II / III
3. General Anatomy by Chaurasia/ by Vishramsingh
4. Embryology by Inderbir Singh
5. Textbook of Histology by J. P. Gunasegaran OR Brijesh Kumar (Walter)
7. Human Genetics by S D Gangane / Suri
8. Gray’s Anatomy for student

{b} Reference Books
1. Gray’s Textbook of Anatomy
2. Atlas of Human Anatomy by Netter
3. Histology by Ham
4. Surgical Anatomy by McGregor
5. Surgical Anatomy by Last
6. Human Anatomy by Dr. A K Datta Vol. I/II/III
7. Richards Snell (Clinical Anatomy)
8. Histology Atlas by D’foire
9. Embryology by Boyd/ langman/dutta /vishram singh
10. Grant’s Method of Anatomy
11. Medical Embryology by Langman
12. Textbook of Anatomy by Inderbir singh
13. Human histology by Inderbir Singh

Distribution of Internal marks (Total 40 Marks)

<table>
<thead>
<tr>
<th></th>
<th>Internal theory (20)</th>
<th>Internal practical (20)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Internal Examination</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Preliminary Evaluation</td>
<td>7.5</td>
<td>7.5</td>
</tr>
<tr>
<td>Day to Day Evaluation</td>
<td>7.5</td>
<td>7.5</td>
</tr>
</tbody>
</table>

Subdivision of Day to Day Evaluation

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Ending Examination</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Journal of Students</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Gross Journal (minimum 20 Figures)</td>
<td>1.5</td>
<td>00</td>
</tr>
<tr>
<td>Histology Journal (minimum 5 Questions)</td>
<td>00</td>
<td>1.5</td>
</tr>
</tbody>
</table>
Syllabus for term wise

1st term – 3 minor and 1 Major part. (Lower Limb, Upper limb, Thorax, Abdomen), General Anatomy, General Embryology, General Histology.

2nd term- Head & Neck, Brain and Genetics.

Syllabus for Genetics – Chromosomal Anomalies, Karyotyping, Down's Syndrome, Klinfelter's Syndrome, Turner's Syndrome, Genetic Counselling, Mutation, Inheritance, Amniocentesis, RH incompatibility, Prenatal Diagnosis, Translocation, Lyon's Hypothesis

Department of Physiology

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books Recommended For Study

(a) Text Books

THEORY
1. Textbook of Physiology- Guyton (south asian edition)
3. Essentials of medical Physiology- Indu Khurana(for UG)
4. Physiology- Prep Manual for undergraduates – Vijaya D Joshi

PRACTICAL
2. Textbook Practical Physiology by - G.K.Pal
3. Practical Physiology by – C.L.Ghai

(b) Reference Books

1. Review of Medical Physiology by Ganong
2. Textbook of Medical Physiology by Indukhurana(for PG)
3. Textbook of Physiology - Bijlani
5. Textbook of Physiology – Chaudhari
6. Textbook of Physiology- Mahapatra

Syllabus:

Term I (1st August -31st January )

1. General Physiology, BioPhysics,
2. Blood
3. Excretory System including skin,
4. Respiratory System including Environmental and Exercise Physiology
5. Cardiovascular System
6. Gastrointestinal System
7. Autonomic Nervous System
8. Nerve & Muscle Physiology
Tem II (1st Feb-31st July)

1. Endocrinology
2. Reproductive System
3. Special Senses

Internal Marks Calculation For Physiology

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Marks</th>
<th>Month</th>
</tr>
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<tbody>
<tr>
<td>1.</td>
<td>1st Periodic Exam</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>2nd Periodic Exam</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>1st Internal Exam</td>
<td>50</td>
<td>January</td>
</tr>
<tr>
<td></td>
<td>Theory Practical</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>2nd Internal / Preliminary Exam Practical + Viva</td>
<td>100(50+50) (I+II) 60 (40+20)</td>
<td>May</td>
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</table>

Preliminary Exam as per University Exam.

Marks distribution Internal marks

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Marks</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Theory</td>
<td>20 marks</td>
</tr>
<tr>
<td>2</td>
<td>Practical</td>
<td>20 marks</td>
</tr>
</tbody>
</table>

Internal marks Calculation

1. (i) Theory
   1. Lectures Attendance | 2.5 marks
   2. 1st Internal Exam | 05 marks
   3. Preliminary | 7.5 marks
   4. 1st & 2nd Periodic Exam | 05 marks
   5. Total | 20 marks

2. (ii) Practical
   1. Practical Attendance | 2.5 marks
   2. 1st Internal Practical | 05 marks
   3. Prelim Exam | 7.5 marks
   4. Journal | 05 marks
   5. Total | 20 marks

Department of Biochemistry

List of Faculty can be viewed in our website [www.nhllmc.edu.in](http://www.nhllmc.edu.in)

Books Recommended For Study

{a} Text Books

1. Textbook of Biochemistry for Medical students by Vasudevan & Sreekumari.
3. Principles & application of Biochemistry in Medicine by Rafi
4. Text book of Biochemistry by Dinesh Puri

{b} Reference Books

Lippincott’s Illustrated Review of Biochemistry by Champe & Harvey

<table>
<thead>
<tr>
<th>Name Of Exam.</th>
<th>Theory Marks</th>
<th>Theory Marks Counted For Internal</th>
<th>Practical Marks</th>
<th>Practical Marks Counted For Internal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal Exam.</td>
<td>50 Marks</td>
<td>5</td>
<td>50 Marks</td>
<td>5</td>
</tr>
<tr>
<td>Preliminary Exam.</td>
<td>Total-100</td>
<td>7.5</td>
<td>50 Marks</td>
<td>7.5</td>
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<tr>
<td></td>
<td>Paper-I (50)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Paper-Ii (50)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Attendance</td>
<td>2.5</td>
<td>Journal Submission</td>
<td>2.5</td>
<td></td>
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<tr>
<td>Periodic -I (25)</td>
<td>5</td>
<td>Periodic-I (40)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Periodic-II(50)</td>
<td>5</td>
<td>Periodic-Ii (40)</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>MCQ-(25)</td>
<td>5</td>
<td>Viva (20)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>7.5</td>
<td>Total</td>
<td>7.5</td>
<td></td>
</tr>
<tr>
<td>Grand Total</td>
<td>20</td>
<td>Total</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

Department of Community Medicine

List of Faculty can be viewed in our website [www.nhlmmc.edu.in](http://www.nhlmmc.edu.in)

Books Recommended For Study

{a} Text Books

1. Park’s Text-book of Preventive & Social Medicine by Dr. K. Park
2. Epidemiology and Management of Health Care for All by Sathe
3. Textbook of Community Medicine by Dr. A. P Kulkarni and Dr. J. P. Baride
4. Textbook of Preventive Medicine by Dr. O.P.Ghai
5. Textbook of Preventive & Social Medicine by Dr. Gupta & Dr. Mahajan.
6. National Health Programmes by J. Kishore
7. Methods In Bio-Statistics for Medical students and Research Workers by Dr. B.K. Mahajan.
8. Principles & practice of Biostatistics by Dr. J.V.Dixit

{b} Reference Books

1. Maxcy - Rouseneau’s Public Health & Preventive Medicine
2. Health in Industry by Donald Hunter

Text book of public health and community medicine published by AFMC,PUNE with WHO collaboration
## Calculation of internal marks

### Theory: Total internal marks – 20

<table>
<thead>
<tr>
<th>Sr. no</th>
<th>Marks</th>
<th>Subdivision</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5 marks</td>
<td>Out of obtained marks in first internal exam (at the end of 4th sem. - 1 paper of 60 marks)</td>
</tr>
<tr>
<td>2</td>
<td>5 marks</td>
<td>Out of obtained marks in second internal exam (at the end of 6th sem. - 1 paper of 60 marks)</td>
</tr>
<tr>
<td>3</td>
<td>10 marks</td>
<td>Out of obtained marks in Prelim exam (at the end of 7th sem. - 2 papers of 60 marks each)</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>Total</td>
</tr>
</tbody>
</table>

### Practical: Total internal marks – 20

<table>
<thead>
<tr>
<th>Sr. no</th>
<th>Marks</th>
<th>Subdivision</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>6 marks</td>
<td>Out of obtained marks in C.P. term ending exam</td>
</tr>
<tr>
<td>2.</td>
<td>8 marks</td>
<td>Out of obtained marks in Practical exam of prelim</td>
</tr>
<tr>
<td>3.</td>
<td>3 marks</td>
<td>Journal</td>
</tr>
<tr>
<td>4.</td>
<td>3 marks</td>
<td>Project</td>
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<tr>
<td></td>
<td>20 marks</td>
<td>Total</td>
</tr>
</tbody>
</table>
Department of Pathology

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books Recommended For Study:

{a} Text Books:

1. Basic Pathology by Kumar, Cotran & Robbins, 9th edition
2. Robbins’ Pathologic basis of disease by Cotran, Kumar & Robbins, 8th edition, 2010

{b} Reference Books:


INTERNAL MARKS CALCULATION

Theory : Maximum Marks : 20
Practical : Maximum Marks : 10

<table>
<thead>
<tr>
<th></th>
<th>Theory</th>
<th>Practical</th>
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</thead>
<tbody>
<tr>
<td>1st terminal</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>2nd termina</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Prelim</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>Day to day</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>20</td>
<td>10</td>
</tr>
</tbody>
</table>

Department: Microbiology

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books Recommended For Study:

{a} Text Books:


{b} Reference Books:
2. Jawetz Melnick & Adelbergs Medical Microbiology, 26th Edition
3. Roitt’s Essential Immunology, 12th Edition
5. Panikar’s Text Book of Medical Parasitology, by CK Jayaram Panikar & Sougata Gupta, 7th Edition

INTERNAL MARKS CALCULATION

Theory: Maximum Marks : 20
Practical: Maximum Marks: 10

<table>
<thead>
<tr>
<th>Trait</th>
<th>Theory Marks (Maximum)</th>
<th>Practical Marks (Maximum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Internal Examination</td>
<td>4</td>
<td>2</td>
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<tr>
<td>2nd Internal Examination</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Preliminary Examination</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>Day to Day Assessment</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>20</strong></td>
<td><strong>10</strong></td>
</tr>
</tbody>
</table>

Department of Pharmacology

List of Faculty can be viewed in our website [www.nhlmmc.edu.in](http://www.nhlmmc.edu.in)

Books Recommended For Study:

{a} Text Books:

{b} Reference Book:

The marks obtained as internal examination will be consolidated at the end of the last term and calculated out of 30 with the following break-up.

Internal Marks:
Theory : 20
Practical :10

Total :30
DEPARTMENT OF FORENSIC MEDICINE

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books Recommended For Study:

{a} Text Books:

1. Principles of Forensic Medicine by Nandy,
2. The Essentials of Forensic Medicine & Toxicology by Narayan Reddy
3. Modi’s medical jurisprudence and toxicology

<table>
<thead>
<tr>
<th>Term I (3rd Sem)</th>
<th>Forensic Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1. Introduction to Forensic Medicine</td>
</tr>
<tr>
<td></td>
<td>2. Legal Procedures</td>
</tr>
<tr>
<td></td>
<td>3. Identification</td>
</tr>
<tr>
<td></td>
<td>4. Death &amp; its causes</td>
</tr>
<tr>
<td></td>
<td>5. Post mortem changes</td>
</tr>
<tr>
<td></td>
<td>6. Mechanical injuries (excluding Firearms)</td>
</tr>
<tr>
<td></td>
<td>Toxicology</td>
</tr>
<tr>
<td></td>
<td>1. General aspects of toxicology</td>
</tr>
<tr>
<td></td>
<td>2. Corrosive poisons</td>
</tr>
<tr>
<td></td>
<td>3. Agriculture poisons</td>
</tr>
<tr>
<td></td>
<td>4. Metallic poisons</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Term II (4th Sem)</th>
<th>Forensic Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1. Firearm injuries</td>
</tr>
<tr>
<td></td>
<td>2. Post-mortem examination &amp; report writing (6)</td>
</tr>
<tr>
<td></td>
<td>3. Violent asphyxial deaths</td>
</tr>
<tr>
<td></td>
<td>4. Thermal injuries</td>
</tr>
<tr>
<td></td>
<td>5. Regional injuries</td>
</tr>
<tr>
<td></td>
<td>6. Medicolegal aspects of wounds</td>
</tr>
<tr>
<td></td>
<td>7. Virginity, Pregnancy &amp; Delivery</td>
</tr>
<tr>
<td></td>
<td>8. Impotence &amp; Sterility</td>
</tr>
<tr>
<td></td>
<td>9. Sexual offences</td>
</tr>
<tr>
<td></td>
<td>Toxicology</td>
</tr>
<tr>
<td></td>
<td>1. Inorganic irritant poisons</td>
</tr>
<tr>
<td></td>
<td>2. Organic irritant poisons</td>
</tr>
<tr>
<td></td>
<td>3. Spinal &amp; Peripheral poisons</td>
</tr>
<tr>
<td></td>
<td>4. CNS depressants</td>
</tr>
<tr>
<td></td>
<td>5. Somniferous poisons</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Term III (5th Sem)</th>
<th>Forensic Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1. Medical law &amp; Ethics</td>
</tr>
<tr>
<td></td>
<td>2. Abortion</td>
</tr>
<tr>
<td></td>
<td>3. Infanticide</td>
</tr>
<tr>
<td></td>
<td>4. Forensic Psychiatry</td>
</tr>
<tr>
<td></td>
<td>5. Blood stains &amp; FSL</td>
</tr>
<tr>
<td></td>
<td>6. Anaesthetic deaths</td>
</tr>
</tbody>
</table>
7. Starvation
8. Post-mortem artefacts

Toxicology
1. Deliriant poisons
2. Cardiac poisons
3. Psychotropic substance
4. Drug dependence & substance abuse
5. Asphyxiants
6. Food toxins
7. Examination of slides
8. Post-mortem report writing (4)

See Annexure II for detailed syllabus

INTERNAL MARKS CALCULATION

Theory : Maximum Marks : 10
Practical : Maximum Marks : 10

<table>
<thead>
<tr>
<th>Trait</th>
<th>Marks (Maximum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Internal Examination</td>
<td>2</td>
</tr>
<tr>
<td>2nd Internal Examination</td>
<td>2</td>
</tr>
<tr>
<td>Preliminary Examination</td>
<td>4</td>
</tr>
<tr>
<td>Attendance/Record book</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>10</td>
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</tbody>
</table>

DEPARTMENT OF OPHTHALMOLOGY

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books Recommended For Study
2. Clinical Ophthalmology – Kanski

INTERNAL MARKS CALCULATION

<table>
<thead>
<tr>
<th>THEORY (10)</th>
<th>PRACTICAL (10)</th>
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</thead>
<tbody>
<tr>
<td>6 Marks = from marks obtained in preliminary theory exam</td>
<td>6 Marks = from marks obtained in preliminary practical exam</td>
</tr>
<tr>
<td>4 Marks = from marks obtained in 1st internal theory exam</td>
<td>4 Marks = from marks obtained in 1st internal practical exam</td>
</tr>
</tbody>
</table>
DEPARTMENT OF ENT

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books for Study

1. Logan Turner; Text Book of ENT
2. Scott Brown’s Otolaryngology
3. P.L Dhingra ; Text book of ENT

SYLLABUS: THEORY and PRACTICAL

During 6th and 7th semester

Schedule for 6th SEMESTER

1. Introduction to ENT and Head Neck Surgery
2. Rhino sinusitis, nasal polyp, fungal disease of nose
3. Secretory otitis media,ASOM,acute mastoiditis CSOM , different ear surgeries
4. Deafness – diagnosis and management
5. Epistaxis, faciomaxillary injuries
6. Rhinoplasty, coanal atresia
7. Benign and malignant lesions – diagnosis and management

SCHEDULE FOR 7th SEMESTER

1. Facial paralysis and their management
2. Assessment of Vertigo
3. Granulomatous lesions
4. Neck space pathologies

Neurological disorders of the larynx

Internal assessment=20 marks

Theory (10 marks)

1. 1st Internal exam-4marks
2. Preliminary exam-6marks

Practical (10 marks)

1. Day to day assessment /log book assessment -2marks
2. Term ending exam- 3 marks

Preliminary exam-5marks
Department of Medicine

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books For Study

1. Davidsion’s Principles and Practice of Medicine, ELBS-Livingstone publications
2. Kumar & Clark’ Clinical Medicine – A textbook for medical students and doctors, ELBS publications
3. Harrison’s Principles of Internal Medicine, McGraw Hill publications (Reference book)
5. Hutchison’s Clinical Methods, ELBS publications
6. Macleod’s Clinical Examination, ELBS publications
7. API textbook of Medicine

INTERNAL MARKS CALCULATION

- **Internal evaluation for UG students**
- **THEORY (TOTAL 30 MARKS)**
  - 1st INTERNAL: 10 MARKS(taken at the end of 8th Sem)
  - PRELIMINARY: 20 MARKS (14 THEORY + 6 MCQs)(at the end 9th Sem) (MCQ exam of 60 marks to be taken with prelims)

- **PRACTICAL EXAMINATION (TOTAL 30 MARKS)**
  - CLINICAL TERMS: 15 MARKS (3 FOR EACH TERMS)
  - ALLIED SUBJECTS: 5 MARKS

PRELIMINARY PRACTICAL: 10 MARKS(taken at the end of 9th Sem)

DEPARTMENT OF DERMATOLOGY

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books For Study

1. Treatment of skin diseases – J.S. Pasricha
2. Illustrated Text Book of Dermatology - J.S. Pasricha
3. Text Book of Dermatology and Venereology – Neena Khanna
5. Atlas of Sexually Transmitted Disease - L.K. Bhutani
DEPARTMENT OF PSYCHIATRY

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books For Study

1. Niraj Ahuja’s Text-book on Psychiatry
2. Oxford Psychiatry

DEPARTMENT OF T.B. & CHEST

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books For Study

Tuberculosis- Tuberculosis by Sharma Mohan
Chest- Textbook of Pulmonary Medicine by Crofton & Douglas
Textbook of Critical Care Medicine by F.Udwadia
Medicine- Principles of Internal medicine by Harrison’s

DEPARTMENT OF SURGERY

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books For Study

1. Short Practice of surgery- Bailey & Love
3. An introduction to the symptoms and signs of surgical Disease-Norman L. Browse
5. Principles and Practice of Surgery Eds-Garden, Bradbury Forsythe.
6. Pye’s Surgical Handicraf

Theory Lectures

are planned to cover surgical topics with ascending degree of complexity

III-Semester (Second MBBS- First Term)
1. Clinical Surgery Lectures
1. **Introduction to Surgery Department.**
2. **History Taking.**
3. **Physical Examination**
4. **Surgical Symptomatology**
   1. Swelling, Ulcer
   2. Pain, Abdominal Pain
   3. Limb Oedema
5. **Provisional Diagnosis, Investigation**

**IV-Semester (Second MBBS- Second Term)**
1. Wound Healing and management
2. Shock, fluid electrolyte & Acid Base Balance
3. Surgical Nutrition
4. Preparing the patient for surgery
5. Peri-operative Care
6. Anesthesia and pain management
7. Surgical Infections

**V-Semester (Second MBBS- Third Term)**
1. Benign Breast diseases
2. Breast cancer
3. Arterial, Venous and Lymphatic Diseases
4. Skin and Soft tissue tumor
5. Principal of surgical Oncology
6. Acquired Immunodeficiency Syndrome
7. Radiology

**VI-Semester (Third MBBS-First- First Term)**
1. Thorax and Head-Neck
2. Salivary Gland
3. Oesophagus and Hiatus hernia
4. Stomach Duodenum
5. Appendix
6. Small Bowel Diseases
7. Intestinal Obstruction

**VII-Semester (Third MBBS-First- Second Term)**
1. Lower GI Hemorrhage
2. Inflammatory bowel disease
3. Cancer of colon and rectum
4. Colon Diverticular disease and polyps
5. The Rectum and anal canal
7. Portal hypertension
8. Gall Bladder and Bile duct
9. Pancreatitis, Tumor of pancreas and obstructive jaundice
10. Splenic disorder
VIII-Semester (Third MBBS-Second- First Term)
1. Thyroid disease (hyper hypo)
2. Thyroid tumor
3. Hyper para thyroïdism & parathyroid tumor
4. Adrenal disfunction
5. Peripheral vascular Disease
6. Venous and Lymphatic disease
7. Lung cancer
8. Infection of lung and pleural space
9. Prostate disease
10. Nephrolithiasis and Obstruction
11. Urologic Neoplasm

IX- Semester (Third MBBS-Second- Second Term)
1. Accident And Emergency Surgery
2. Abdomen and pelvic Trauma
3. Warfare Injury
4. Head injury
5. Burns
6. Principal Of Pediatric Surgery
7. Transplant
8. Laparoscopy

DEPARTMENT OF ORTHOPEDICS
List of Faculty can be viewed in our website [www.nhlmmc.edu.in](http://www.nhlmmc.edu.in)

Books For Study
1. Outlines of Fractures Crawford Adams
2. Closed Treatment of Fractures H. John Charnley

DEPARTMENT OF ANAESTHESIOLOGY
List of Faculty can be viewed in our website [www.nhlmmc.edu.in](http://www.nhlmmc.edu.in)

Books For Study
3. Anaesthesia by Ronald D Miller
DEPARTMENT OF RADIOLOGY
List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books For Study
1. Sutton’s Radiology
2. Ami Shah

DEPARTMENT OF OBSTRETICS AND GYNAECOLOGY
List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books For Study
3. Shaw’s Text Book of Gynaecology
4. Text Book of Gynaecology – V.L. Bhargava

• THEORY INTERNAL MARKS- 20MARKS

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<th>First terminal exam (40marks) (End of 8th Sem)</th>
<th>Preliminary exam (80 marks)</th>
<th>Total (120 marks)</th>
<th>Internal marks (20 marks)</th>
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<tbody>
<tr>
<td>A</td>
<td>B</td>
<td>A+B</td>
<td>A+B/6</td>
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• PRACTICAL INTERNAL MARKS -20MARKS

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<th>Each clinical posting exam (100 marks)</th>
<th>Total clinical posting (5) exam (100 marks*5)</th>
<th>Internal marks (X=10 marks)</th>
<th>Prelim practical exam (80)</th>
<th>Internal marks (Y=10 marks)</th>
<th>Total practical marks (20 Marks)</th>
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<tbody>
<tr>
<td>A</td>
<td>5A</td>
<td>5A/50</td>
<td>B</td>
<td>B/8</td>
<td>X+Y</td>
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DEPARTMENT OF PAEDIATRICS

List of Faculty can be viewed in our website www.nhlmmc.edu.in

Books For Study

Textbooks for Pediatrics
2. “Care of the Newborn” by Meharban Singh (latest edition)

Reference Books

Clinical Methods

Internal marks Evaluation

Theory marks
First internal (8th semester) 3
Preliminary 7
Total 10

Practical marks:

1st ward ending exam: 2 marks
2nd ward ending exam: 2 marks
Preliminary exam: 6 marks
Total: 10 marks
AMC MEDICAL EDUCATION TRUST

Information for Undergraduate Students For Clinical Postings

Sheth V S General Hospital
Sheth C H Nagari Eye Hospital
Smt. SCL Hospital
Infectious disease hospital
Sheth M.K. Tuberculosis & Chest Diseases Hospital
Smt. N.H.L. Municipal Medical College
Ahmedabad-380 006, India
Students’ Information Brochure
M.B.B.S.

Superintendents

of

attached hospitals of Smt NHL Municipal Medical College

Dr. S T Malhan  
Superintendent. Sheth VS. Hospital

Dr. Tejas Desai  
I/C  Superintendent C.H. Nagari Hospital

Dr. R.C. Shah  
Superintendent S.C.L. Hospital
Tips for clinical posting

- Medicine is a science of diagnosis, treatment & prevention of diseases. Diagnosis is a major challenge in medicine. It is learnt in three phases:

  (i) Obtaining and documenting clinical history and performing and recording the findings of physical examination of patients.

  (ii) Interpretation and clinico-patho-physiological correlations between history, examination findings and provisional diagnosis.

  (iii) Interpretation and analysis of investigations to achieve confirmed diagnosis or differential diagnosis.

- You should also observe various bed-side clinical diagnostic and therapeutic procedures.

- Observe and give value judgement to bed-side manners, doctor-patient relationship, ethics and morality and social and economical aspects of medicine.

- Read the physical examination of all the systems during the posting of introduction to clinical methods. You should start writing the history of the patient allotted to you from the first week. Do not wait for the teacher to teach you a system or symptoms.

- Observe, read yourself and learn yourself. Teacher is only a facilitator; read books recommended by respective department (only suggested books are given in this brochure).
Hippocratic Oath, Modern Version

I swear to fulfill, to the best of my ability and judgment, this covenant:

I will respect the hard-won scientific gains of those physicians in whose steps I walk, and gladly share such knowledge as is mine with those who are to follow.

I will apply, for the benefit of the sick, all measures which are required, avoiding those twin traps of overtreatment and therapeutic nihilism.

I will remember that there is art to medicine as well as science, and that warmth, sympathy, and understanding may outweigh the surgeon's knife or the chemist's drug.

I will not be ashamed to say "I know not," nor will I fail to call in my colleagues when the skills of another are needed for a patient's recovery.

I will respect the privacy of my patients, for their problems are not disclosed to me that the world may know. Most especially must I tread with care in matters of life and death. If it is given me to save a life, all thanks. But it may also be within my power to take a life; this awesome responsibility must be faced with great humbleness and awareness of my own frailty. Above all, I must not play at God.

I will remember that I do not treat a fever chart, a cancerous growth, but a sick human being, whose illness may affect the person's family and economic stability. My responsibility includes these related problems, if I am to care adequately for the sick.

I will prevent disease whenever I can, for prevention is preferable to cure.

I will remember that I remain a member of society, with special obligations to all my fellow human beings, those sound of mind and body as well as the infirm.

If I do not violate this oath, may I enjoy life and art, respected while I live and remembered with affection thereafter. May I always act so as to preserve the finest traditions of my calling and may I long experience the joy of healing those who seek my help.
UNDERTAKING BY PARENT/GUARDIAN

I, __________________________________________________________

F/o,M/o,G/o ____________________________________________________________

is informed that if the attendance of my child is less than 75% in each Theory and Practical
Classes than He/She will not be allowed to give Preliminary Exam eventually not allowed for
University Examination also.

Signed this ________ day of ________ month of __________ Year

Signature

Address:________________

_______________________

_______________________

Contact No.:______________
UNDERTAKING BY THE CANDIDATE/STUDENT

1. I, _______________________________________________________________________ S/o,D/o,
Mr./Mrs./Ms. ________________________________________________________, have carefully
read and fully understood the law of prohibiting ragging and the directions of the Supreme Court and
the Central/ State Government in this regard.

2. I have received a copy of the MCI regulations on Curbing the Menace of Ragging in Higher
Educational Institutions, 2009.

3. I hereby undertake that:
   - I will not indulge in any behavior or act that any may come under the definition of ragging.
   - I will not participate in or abet propagate ragging in any form,
   - I will not hurt anyone physically or psychologically or cause any other harm.

4. I hereby agree that if found guilty of any aspect of ragging, I may be punished as per that provision of
the MCI regulations mentioned above and/or as per the law in force.

Signed this ________ day of ________ month of __________ Year

Signature

Name:

(1) Witness: ______________________

(2) Witness: ______________________

Address: ________________

Contact No.: ________________
UNDERTAKING BY THE PARENT/GUARDIAN

1. I, ____________________________________________________________ F/o, M/o, G/o, Mr./Mrs./Ms. ________________________________________________, have carefully read and fully understood the law of prohibiting ragging and the directions of the Supreme Court and the Central/State Government in this regard as well as the MCI Regulation on Curbing the Menace of Ragging in Higher Educational Institutions, 2009.

2. I assure you that my son/daughter/ward/will not indulge in any act of ragging.

3. I hereby agree that if he/she found guilty of any aspect of ragging, he/she may be punished as per that provision of the MCI regulations mentioned above and/or as per the law in force.

Signed this ______ day of ______ month of ______ Year

Signature

Name:

Address:________________

(1) Witness: ______________________

(2) Witness: _________________

Contact No.:______________