

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, MANGALAGIRI, ANDHRAPRADESH

అఖిలభారత వైద్య విజ్ఞాన సంస్థ, మంగళగిరి, ఆంధ్రప్రదేశ్
आखिल भारतीय आयुर्विज्ञान संस्थान, मंगलगिरि, आँध्रप्रदेश

(A tertiary Care Institution under PMSSY, Ministry of Health & Family Welfare, Government of India)



INFORMATION BULLETIN FOR M.B.B.S STUDENTS ADMISSION BATCH - 2018-19

Temporary Campus:

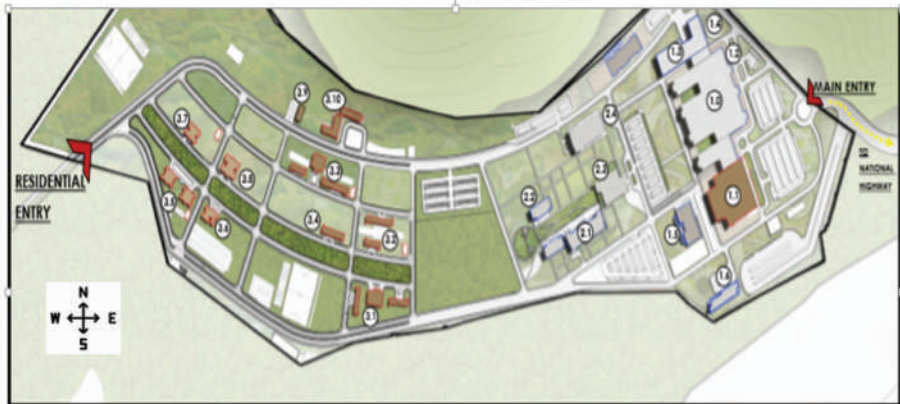
First Floor, Government Siddhartha Medical College,
NH 16 Service Road, Gunadala, Vijayawada 520008;
08662454500 (DDA); 2866-2456450 (Telefax)

Permanent Campus:

Tadepalli-Atmakuru-Manglagiri villages,
Mangalagiri mandal, Guntur District
(Approximate Distance: 15 Km from Temporary campus)

Website: www.aiimsmangalagiri.edu.in
email: administrator@aiimsmangalagiri.edu.in
Twitter: @mangalAiimsAP

Master Plan: AIIMS, Mangalagiri



1 HOSPITAL	2 ACADEMIC	5 HOUSING	3.5 STAFF HOUSING TYPE - 2
1.1 OPD	2.1 MEDICAL COLLEGE	5.1 U.G. HOSTELS	3.6 STAFF HOUSING TYPE - 3
1.2 EMERGENCY DEPARTMENT	2.2 NURSING COLLEGE	5.2 P.G. HOSTELS	3.7 STAFF HOUSING TYPE - 4
1.3 LOGISTICS	2.3 LIBRARY & ADMIN.	5.3 NURSES HOSELS	3.8 STAFF HOUSING TYPE - 5
1.4 HELIPAD	2.4 AUDITORIUM	5.4 MARRIED HOSTELS	3.9 DIRECTOR BUNGALOW
1.5 AYUSH			3.10 GUEST HOUSE
1.6 DHARAMSHALA			

HOSPITAL ZONE - AIIMS MANGALGIRI, A.P.



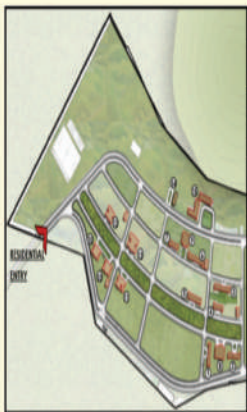
FACILITIES :

1. OPD BLOCK - 30,700 sqm
2. HOSPITAL BLOCK (G+)-
 • 940 BEDS
 • ICU - 86 Beds
 • EMERGENCY - 50 BEDS
 • O.I. - 24no.
 • Super Speciality Departments - 15no.
 • Specialty Dept. - 10no.
 • Total built up area - 93532 sqm
3. AYUSH (G+1) - 30 BED
 Area- 3290sqm
4. SERVICE BLOCKS (G)
5. DHARAMSHALA (G+1)
 Area- 2138sqm
6. PARKING



FACILITIES :

1. LIBRARY & ADMIN.
2. AUDITORIUM
3. MEDICAL COLLEGE
4. NURSING COLLEGE
5. FUTURE EXPANSION
6. LANDSCAPE
7. PARKING



RESIDENTIAL FACILITIES	FLOOR	OCCUPANCY	AREA (sqm)
1 U.G. HOSTEL (MALE)	G+12	261	4913
2 U.G. HOSTEL (FEMALE)	G+4	118	2034
3 P.G. HOSTEL (MALE)	G+13	312	7012
4 P.G. HOSTEL (FEMALE)	G+11	132	3427
5 P.G. HOSTEL (MARRIED)	G+13	136	6140
6 NURSING HOSTEL (FEMALE)	G+12	289	6638
7 NURSING HOSTEL (MALE)	G+12	144	3278
8 MARINERS BLOCK 1	G	-	885
9 MARINERS BLOCK 2	G	-	684
10 STAFF HOUSING TYPE-0	G+1	108 units	8736
11 STAFF HOUSING TYPE-3	G+2	18 units	1686
12 STAFF HOUSING TYPE-4	G+5	21 units	2094.7
13 STAFF HOUSING TYPE-6	G+4	24 units	3947
14 DIRECTOR BUNGALOW	G+1	-	437
15 GUEST HOUSE	G+1	23 rooms	3647





Shri Ramnath Kovind
Hon'ble President of India



Shri Narendra Modi
Hon'ble Prime minister



Shri J.P.Nadda
Hon'ble H & FW Minister

PMSSY & AYUSHMAN BHARAT



Ministry of Health and
Family Welfare
Government of India
pmssy-mohfw.nic.in

The **Pradhan Mantri Swasthya Suraksha Yojana (PMSSY)** was announced in 2003 with objectives of correcting regional imbalances in the availability of affordable/ reliable tertiary healthcare services and also to augment facilities for quality medical education in the country. PMSSY has two components: (i) Setting up of AIIMS like Institutions (ii) Upgradation of Government Medical College Institutions. Six AIIMS-like institutions, one each in the States of Bihar (Patna), Chhattisgarh (Raipur), Madhya Pradesh (Bhopal), Orissa (Bhubaneswar), Rajasthan (Jodhpur) and Uttaranchal (Rishikesh) have been setup under the PMSSY scheme. The Cabinet approved setting up of AIIMS at Manglagiri in Andhra Pradesh at the cost of Rs.1618 crore on 07.10.2015. Work awarded for construction of Hospital Block & Academic Campus, by the Executing Agency on 08.03.2018 and work started. The First batch of 50 MBBS students will be started from 2018-2019 academic sessions from temporary campus at Siddhartha Medical College and Hospital, Vijayawada.

S No	Name	Designation	e-mail
1.	Smt. Preeti Sudan, IAS	Secretary, MoHFW	secyhfw@nic.in
2.	Shri. Sunil Sharma, IRPS	Joint Secretary, PMSSY	sunil.sharma62@gov.in

AIIMS 1ST MBBS BATCH 2018-19



**Prof. (Dr.) T. S. Ravikumar,
Director cum VC, SVIMS, Tirupati
Retired Director JIPMER,
Special Officer, AIIMS, Mangalagiri.**



It is my distinct pleasure to invite the future leaders of healthcare in India to AIIMS Mangalagiri on behalf the leadership of the institute. While each student will and must familiarize oneself with the objectives as laid down in AIIMS Act, I wish to enunciate some salient principles. We will develop each one of you to become life- long learners, along with the qualities of professionalism, empathy, inclusiveness and humility. Health, as defined by WHO as “a state of complete physical, mental and social well-being, and not merely the absence of disease or infirmity”. This includes spiritual health as part of social well being. You will learn the pillars of health care delivery right from the onset, to include Access, Equity, Quality and Cost while you go through the subjects of Anatomy, Physiology, Biochemistry, Community Medicine etc right in the first year. We hope to become the paragon of pedagogic innovations in order to impart knowledge and will develop many teaching-learning methods to optimize learning at personal and group levels. Individual excellence is a must, but it will be in the context of team work, accountability and transparency, so as to deliver patient- centered care. We will create communities wherein each citizen’s healthcare needs are met. Welcome again for a rewarding experience for the next few years at AIIMS wherein we are preparing to train professionals to be among the global best, in Mangalagiri!!

Prof. Dr. T. S. Ravikumar

**Dr. R. Sasank,
Nodal Officer, AIIMS, Mangalagiri
Principal,
Siddhartha Medical College and Hospital**



It is my privilege to welcome the new batch of AIIMS, Mangalagiri students and their parents to their temporary campus situated in our Siddhartha Medical College, Vijayawada which has a long history of 37 years.

We have made sufficient arrangements for the comfortable stay of students and elaborate arrangements for providing academic campus. On behalf of state government we assure to fulfill all of your requirements during the stay at SMC, Vijayawada.

Once again I welcome you all on behalf of the students, faculties and government of Andhra Pradesh. Wish you good luck

Dr. R. Sasank

Shramdeep Sinha, IRS
Deputy Director (Administration),
AIIMS, Mangalagiri.



Dear Students,

Congratulations!

Welcome to the All India Institute of Medical Sciences, Mangalagiri in Andhra Pradesh. History will remember you as the first MBBS batch of AIIMS, Mangalagiri.

You have made yourselves and your family proud by your academic success. You should gain knowledge and expertise in the field of medicine during your stay in AIIMS, Mangalagiri. I wish you a bright future studded with jewels of achievement

Mr. Shramdeep Sinha IRS

**Dr. Joy Ajoykumar Ghoshal,
Dean,
Professor & Head,
Dept. of Anatomy
AIIMS, Mangalagiri.**



Dear students,

It is my proud privilege to address you all especially because you are the first batch of AIIMS, Mangalagiri. You are one of the brightest amongst all medical aspirants for having secured admissions to AIIMS.

I welcome you all to the temporary campus which is housed in Government Siddhartha Medical College, Vijayawada. Although temporary this campus is well equipped with state of the art audiovisual aids, bank, post office etc. All the staff of teaching faculty are handpicked from foremost institutes of all over the country.

Our permanent campus is spread over 183 acres at Mangalagiri and rapidly developing. As per the instructions of Hon. Health Minister, we are gearing up to launch OPD facilities in the month of January, 2019 at Mangalagiri.

Before you realize time will fly and hence study hard, work hard, take care of your health and become the best doctors of India and the World, as we are preparing to present to you the foremost campus of AIIMS AT Mangalagiri.

Dr. Joy Ajoykumar Ghoshal

HOSPITAL BLOCK - AIIMS MANGALGIRI, A.P.



- Total Beds - 960 beds
- ICU - 84 Beds
- 24 OPERATION THEATRES
- Super Specialty Departments - 15no.
- TOTAL BUILT UP AREA - 13532 sqm
- Specialty Departments - 10no.

OPD BLOCK - AIIMS MANGALGIRI, A.P.



- Day care - 30 Beds
- 05 MINOR OPERATION THEATRES
- TOTAL BUILT UP AREA - 30,700 sqm
- Ground + 5 Floors

LIBRARY & ADMIN. BLOCK & AUDITORIUM - AIIMS MANGALGIRI, A.P.



- LIBRARY & ADMINISTRATIVE BLOCK
- AUDITORIUM (691 capacity)
- Ground +2 Floors
- Ground +4 Floors
- TOTAL BUILT UP AREA - 4826 sqm
- TOTAL BUILT UP AREA - 6780 sqm

ACADEMIC QUAD - AIIMS MANGALGIRI, A.P.



- MEDICAL COLLEGE - 100 INTAKE
- NURSING COLLEGE - 50 INTAKE
- Ground +4 Floors
- Ground +4 Floors
- TOTAL BUILT UP AREA - 19,647 sqm
- TOTAL BUILT UP AREA - 3,846 sqm

Land Area: 183 Acres

Project Cost: 1600 Crores (approx.)

Employees: Proposed number of Posts is 4089

Executing Agency: HSCC (I) Ltd

Design Consultant: Consortium of M/s Perkins Eastman and Edifice Consultants

Boundary Wall Contractor : M/s KMV

Phase I Contractor : M/s KMV

Phase II Contractor: M/s L & T

Scheduled date of Project Completion: March 2020

Scheduled date of OPD commencement: January 2019



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All India Institute of Medical Sciences

All India Institute of Medical Sciences have been established as institution of national importance by an act of parliament with the objectives to develop patterns of teaching in undergraduate and postgraduate medical education in all their branches so as to demonstrate a high standard of medical education in India; to bring together in one place educational facilities of the highest order for the training of personnel in all important branches of health activity; and to attain self-sufficiency in Postgraduate Medical Education.

The institute plans to have comprehensive facilities for teaching, research and patient care. As provided in the act, AIIMS conducts teaching programs in medical course at undergraduate levels and awards its own degree.

Objectives of AIIMS

- To develop pattern of teaching in undergraduate and postgraduate medical education in all its branches so as to demonstrate high standard of medical education.
- To bring together in one place to bring together in one place educational facilities of the highest order for the training of personnel in all important branches of health activity.
- To attain self-sufficiency in Postgraduate Medical Education.

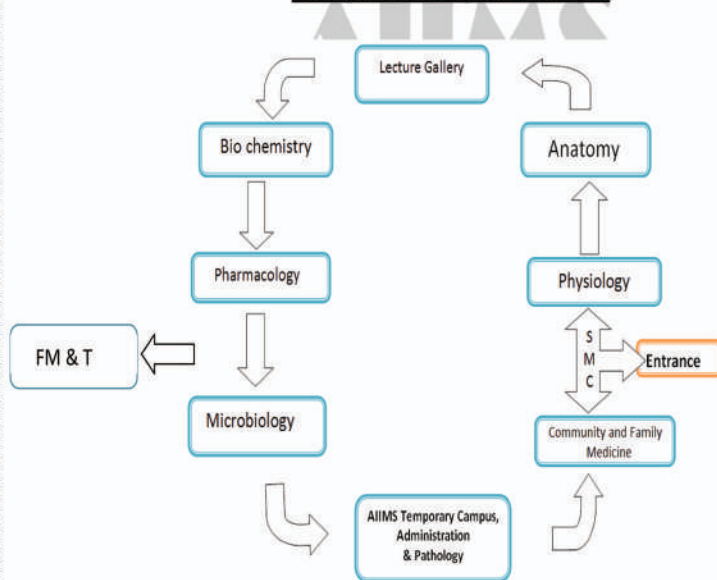
Functions of AIIMS

- Undergraduate and postgraduate teaching in medical and related physical biological sciences.
- Innovations in education.
- For producing medical teachers for the country.
- Research in medical and related sciences.
- Health care: Preventive, promote and cure at primary, secondary and tertiary level.
- Community based teaching and research.

How to Reach Temporary Campus



Brief plan of Temporary campus



*SMC – Siddhartha Medical College First floor

First MBBS Time Table – AIIMS Mangalagiri

DAY	8.30 to 9.30 a.m	9.30 to 10.30 a.m	10.30 a.m to 1.00 p.m	1.00 to 1.30 p.m	1.30 p.m to 2.30 p.m	2.30 to 4.30 p.m
MONDAY	Physiology	Anatomy	Community Medicine Physiology Practicals (A) Biochemistry Practicals (B)	LUNCH	Biochemistry	Anatomy Dissection
TUESDAY	Biochemistry	Anatomy	Physiology Practicals (B) Biochemistry Practicals (A)	LUNCH	Physiology	Anatomy Dissection
WEDNESDAY	Biochemistry	Physiology	Physiology Practicals (A) Anatomy Practicals (B) Physiology Practicals (B)	LUNCH	Anatomy	Anatomy Dissection
THURSDAY	Physiology	Anatomy	Physiology Practicals (B) Anatomy Practicals (A)	LUNCH	Anatomy	Anatomy Dissection
FRIDAY	Physiology	Anatomy	Physiology Tutorials	LUNCH	Biochemistry	Anatomy Dissection
SATURDAY	Anatomy	Physiology	Physiology Tutorials	LUNCH	Anatomy Tutorial (1.30-3.00 p.m) Biochemistry Tutorial (3.00 to 4.30 p.m)	

COLLEGE TIMINGS: Every day classes starts at 8.30 A.M and end at 4.30 P.M. All Saturdays are working for students

Library will be shared in synchronization with Siddhartha Medical College. Student can coordinate with Dr N. Gautam (SR) and Mr Saidaiah (Tutor), Dept of Biochemistry for library facilities. Library timings shall be in addition to regular timings.

ACADEMIC CALENDAR FOR M.B.B.S - 2018-19 BATCH**AUGUST – JANUARY**

S. NO	Particulars / Events	Date
1.	Commencement of Academic session	30.08.2018
2.	Induction Program	30.08.2018 to 01.09.2018
3.	Academic Session begins on	03.09.2018
4.	Dussehra Holidays	15.10.2018 to 20.10.2018
5.	1 st Internal Assessment	21.10.2018 to 03.11.2018
6.	Diwali Holiday	05.11.2018 to 10.11.2018
7.	Christmas Vacation	26.12.2018 to 31.12.2018
8.	Terminal Exam	01.01.2019 to 12.01.2019

FEE STRUCTURE

The following is the fee structure at AIIMS – Mangalagiri for Days scholars (DS) and Hostel students. Students are advised to be prepared.

S. No	Academic (for both DS and Hostel Students)	Fee in Indian Rupees	S. No	Hostel related (for only hostel students)	Fee in Indian Rupees
01	Registration Fee	25	01	Hostel Rent (Annual)	990
02	Caution Money	100	02	Gymkhana Fee (Annual)	220
03	Tuition fee (Annual)	1350	03	Pot Fund	1320
04	Laboratory Fee (Annual)	90	04	Electricity Charges (Annual)	500
05	Student Fee (Annual)	63	05	Mess Security Deposit (Refundable)	500**
	Total	1628		Total	4228

*In addition to the aforementioned fee a sum of Rupees Twelve Thousand (Rs.12,000 INR) has to deposited as caution deposit towards mess charges by the hostel students (*exclusive of the Rs.500/- mentioned above*). This amount is refundable /adjustable as the case may be.

**White apron Rs. 250INR

All fees will be paid at Syndicate Bank, Siddhartha Medical College Branch, Gunadala, Vijayawada using respective challan.

HOSTEL RULES

Rules to be followed by students in the temporary hostel campus, AIIMS-Mangalagiri.

1. Students are allowed to occupy only the allotted rooms. Changing of rooms is not allowed.
2. Every hostel flat has three rooms and two bathroom attached with toilets. All inmates of a flat have equal rights of accessibility to both the toilets.
3. Valuables (Cell phones, Jewels or other high value items) are to be strictly kept in their allotted lockers and not in the common area. The safety of the valuables is solely students' responsibility and management shall not be responsible in any regard for any loss or damage of their valuables or items.
4. Students are not allowed to go out of the hostel without the warden permission for any reason. In case of emergency the students are allowed to act only as per warden's direction.
5. A hostel canteen is available at the hostel premises. Student shall coordinate with the canteen manager for their breakfast and dinner. Lunch shall be provided in college during working days. On all other days students are directed to coordinate with the canteen manager. Further instructions may be learnt from the canteen manager.
6. Usage of bicycles, motorcycles or cars in hostel is not allowed.
7. Common area and toilets of the flat will be cleaned by house keepers. However students are advised to maintain cleanliness in their surroundings. Any wilful breach on this issue will entail disciplinary action.
8. All students are responsible for the maintenance of the given flat. Any breakages or repairs shall be promptly intimated to the warden. In the event of any identification of breakage during auditing, all inmates of flat shall be equally fined. All inmates of the flat shall sign a memorandum that they have received the flat with following items in good condition.
9. Every inmate must strictly follow the hierarchy in the event of any grievance. They shall follow the following order. Hostel Warden (Caretaker, as of now) → Resident Warden → Chief Warden. Appellation is always encouraged but not at the cost of any breach in the hierarchy.
10. Parents are allowed to visit their children only after getting the prior permission from the warden. They have to produce due identification proof to the hostel warden. A family photo containing the clear face of both the parents / guardian shall be submitted at the time of joining the hostel. This is in interest of the safety of their own wards.
11. In case of any student is suffering from any chronic illness, allergy or other medical condition they must promptly intimate the warden. They are supposed to carry enough medications pertaining to their conditions. Students are supposed to intimate the hostel warden immediately in case of any illness without delay.
12. In case of physically disabled students appropriate measures will be taken for their safety and comfort. However kindly anticipate delay and act accordingly.

13. Students shall not use any appliance exceeding 1000 watts of electric power. However if it is for a genuine reason then with the written consent of the warden the appliance can be used.
14. Students shall not tamper or repair any electrical or other setup in the flat even in the case of any delay to repair. Administration shall not be responsible for any untoward effects arising out of this.
15. Students are expected to drink water only from recommended outlets in hostel. Kindly ensure good health by eating food from safe and standard outlets.
16. On every working day the bus will depart at **7.30 am** from the hostel entrance to the Siddhartha medical college and students must be ready by that time without late. Similarly the bus will depart from college at **4.40 pm**
17. The library shall be accessed on Monday, Wednesday and Friday upto 7.00 P.M. The college bus will be arranged to travel back to the hostel.
18. Every 15 days on Sundays, students will be taken for their grocery and shopping needs.
19. **Students are directed to bring the following items to the hostel at their discretion.**
 - a) 15 litre plastic bucket with plastic mug.
 - b) Tooth brush, tooth paste, combs, bath towels, bathing and washing soaps / detergents.
 - c) Footwear and other protective clothing as the case may be.
 - d) Cloth hangers, clips, suitable stationery material.
 - e) Laundry facilities are not available and students are advised to be prepared to handle situation.
 - f) Suitable IT facilities and laptops (if already possessed), smart phones with internet facility (subject to service availability)
 - g) A provisional store is available in the premises of hostel. However the ATM facilities and POS facilities are not available. Students are advised to carry minimal cash for emergency purpose.
 - h) Three passport size photos, two copies of family photos, Xerox copies of aadhaar card to be submitted in hostel office. Parents are requested to fill in their details, contact address and number in the prescribed register at hostel office.

INSTRUCTIONS TO THE STUDENTS

DEPARTMENT OF ANATOMY

- Attendance for lectures, practicals and dissections is compulsory for all. Absence without justifiable reason from the above academic activities will be liable for action. At least 75% theory attendance and 80% practical attendance is mandatory.
- To be **attired decently** (with the hair combed/tied up neatly and nails cut) befitting the decorum of a medical professional.
- To wish their teachers and colleagues cordially.
- To **wear your laboratory coat** when you enter the dissection hall.
- To keep your bags in the safety lockers provided.
- To bring your own dissection kit.
- To wear covered formal shoes. Never wear sandals or slippers to the dissection hall which will not protect your feet from injury in case of any accident.
- Not to eat or drink.
- For girls to plait their hair and place it inside their apron.
- Not to wear rings, bangles or any other valuables.
- To trim the nails regularly.
- Not to put anything in your mouth. For example, pens or pencils that you may have picked up from the table.
- Not to shift from the table to which they are allotted.
- To avoid inhaling preservative solution for a prolonged period. If you feel in need of fresh air, ask permission from concerned faculty member to leave the laboratory for a few minutes.
- To report all accidents or incidents immediately to the staff members for assessment.
- To keep your **mobile phones in switched off or silent mode** and keep it inside their respective lockers.
- To **avoid photography** of any kind in the departmental premises viz dissection hall, museum, demonstration room, lecture hall and microanatomy lab.
- Students may use gloves, however is not mandatory; Optional.
- To return the bones back to the dissection hall technician at the end of each dissection session.

- Not to litter anywhere in the department premises. Special care must be taken to dispose off used gloves, which must be put in the biowaste container meant for it.
- To treat with respect the personnel and the property of the department.
- To carry **Grant's Dissector or Cunningham's Manual** of Practical Anatomy
- To carry **plain forceps, toothed forceps, scalpel, small curved and straight scissors and paint brush.**

Respect and care for the cadavers and prosected materials.

Students must understand that they are learning from human cadavers which are acquired from people who have **generously donated** their bodies for the benefit of science and society. Faculty members have dissected the specimens meticulously to allow the students, to see anatomical structures in fine detail. Students must do the dissection with caution and under supervision of staff members. It is important for all students learning Anatomy to have and show utmost **respect** for the specimens at all times, in the Dissection hall. **Great care** should be exercised when handling specimens, in order to preserve their delicate structure.

- Always use **blunt forceps and probes** to handle the prosected specimens.

At the end of each Laboratory class.

- Wash your hands and instruments thoroughly with the soap provided and dry your hands with the towel.
- **Remove your laboratory coat when you leave the dissection hall.**

INSTRUCTIONS TO BE FOLLOWED IN THE MICROANATOMY PRACTICAL LABORATORY

It is compulsory

- To **complete the previous assignment** and bring the Microanatomy Journal.
- To bring DiFiore's Atlas of Histology.
- To Carry Violet (Hematoxylin) and lilac (eosin) pencils for drawing histology diagrams.
- To Carry a magnifying glass (under no circumstances should the eyepiece be removed from the focal tube of the microscope).
- To ensure that the cover slip is facing the objectives before turning to the high power.
- To revert back to low power before moving to the next microscope.

DEPARTMENT OF PHYSIOLOGY

1. Attendance for lectures, practical and tutorials is compulsory for all. Absence without justifiable reason from the above academic activities will be liable for action. Coming late to the class is not tolerated for whatsoever reason.
2. Students are expected to be attired decently (with the hair combed/tied up neatly and nails cut) befitting the decorum of a medical professional. Wearing of aprons is mandatory before entering any laboratory.
3. Mobile phones or any other electronic devices should be in the power off mode during any academic session.
4. Students are not permitted to eat inside the lecture hall or in laboratories.
5. Students should take care not to litter anywhere in the department. Special care must be taken to dispose of used laboratory consumables, which must be put in the container meant for it.
6. Students are expected to treat with respect the personnel and the property of the department.
7. Every student should carry the following to the practical laboratory:
 - a. Updated and duly signed observation note book (long size, unruled, minimum 160 pages, unbound/bound)
 - b. Fully updated, signed and completed record notebook (as prescribed by the department)
 - c. Practical textbook (Textbook of Practical Physiology by GK Pal and Pravati Pal, 4th Edition, Universities Press, 2017)
 - d. Required stationery material. Borrowing and thereby disturbing the proceedings of the practical classes entail disciplinary action.
 - e. Utmost care must be taken while handling equipments, glasswares, reagents and other consumables in the laboratory.
 - f. Breakages in the laboratory must be promptly intimated to lab staff and redressed as per the instructions. Failing to which will entail disciplinary action.
8. Examinations.
 - a. No student must be absent for any internal assessment examinations (Practical / Theory).
 - b. The absence in any of the internal assessment (Practical / Theory) for whatsoever reasons drastically (even medical grounds as it is students responsibility to take care of health during critical periods) reduces the chance of the candidate getting permitted for the university examination.
 - c. Carry a magnifying glass (under no circumstances should the eyepiece be removed from the focal tube of the microscope).
 - d. Make sure that cover slip is facing the objectives before turning to the high power.
 - e. Revert back to low power before moving to the next microscope.

DEPARTMENT OF BIOCHEMISTRY

Introduction:

Normal Biochemical processes are the basis of health. From Biochemical point of view, health may be considered that situation in which all the intra and extra cellular reactions that occur in the human body are proceeding at rates commensurate.

The major aim of Biochemistry is the complex understanding of all the chemical process occurring at molecular level with living cells. Biochemistry is essential to all life sciences – physiology, Genetics, Immunology, Pharmacology, Toxicology, Pathology, Microbiology, Zoology and Botany.

Biochemistry inspects enormously the two fundamental concerns of medicine. One is the understanding and maintenance of health and the other is understanding and effective treatment of diseases. The inter relationship of Biochemistry and medicine is a wide, two-way street. Nutrition and Biochemistry go hand in hand, as one major prerequisite for maintenance of health is that there should be optimal dietary intake of a number of chemicals, like vitamins, carbohydrates, certain amino acids, certain fatty acids, minerals and water.

As a part of your Medical career one should develop a strong knowledge of Biochemistry. However, it should be apparent that caring for patients requires not only a knowledge of biologic principles but also of psychologic and social principals.

Goal:

The broad Goal of Biochemistry would be to make the students understand the Biochemical basis of the life process at the molecular level and apply their basic knowledge in application and solving clinical problems

Biochemistry is taught in two semesters in the 1st year of the MBBS curriculum.

1st Semester: August-December 2nd Semester: January-June

Instructions to the students for attending practical classes in Biochemistry:

1. All the students should be punctual in attending the practical classes. All should wear neat white coat. Dress made by inflammable materials should be avoided. Only formal dresses with shoes are allowed. Girls should not leave their hair open and should be bound properly.
2. Each student will be allotted a place in the working area of the laboratory along with a set of glassware .Loss or breakage of any items should be reported to the demonstrator then and there and might be liable for charges.
3. Each student should attend instruction or demonstration classes before starting the practical.

4. A student can leave the laboratory only after completing all the experiments and getting signature from the demonstrator in the observation practical manual.
5. Each student should maintain a biochemistry practical record note book and a observation book which should be covered with brown paper. The record note book should be submitted within the stipulated time during which he/she should be prepared for a competence based evaluation on the same topic, failing which severe action might be taken.
6. Pipetting should be done carefully. Concentrated acids, alkali or toxic substances should not be pipetted by mouth.
7. Students should not discuss among themselves inside the laboratory. If they want anything, they can approach demonstrators. Strict discipline is expected.
8. In the event of any accident such as spilling of acid over the body or eye, accidental entry of acid/alkali in mouth during pipetting, electric shock, gas leakage etc., it should be reported to the staff immediately.
9. Mobile phones are not allowed in the class rooms however they can be kept inside their own lockers.

DEPARTMENT OF COMMUNITY AND FAMILY MEDICINE

Etiquette in Community Medicine

International Code of Medical Ethics lays down that a Doctor (to be as well)

- Must maintain high degree of professionalism
- Must be free of motives of profit
- Must show empathetic understanding of problems what others may have
- He/she has an obligation to save lives and as much as possible comfort always.
- He/she must be dignified in honoring the secrecy of his patients.
- One must treat his/her colleagues as he/she would want him/herself to be treated.
- And hence, in contrast to laboratory based practicals, community and family practice needs some extra attention:
- Since one is approaching people in the community in a family setting, it is imperative that the student must be able to get co-operation from them in order to find out their demographics, to acquaint with their health and social problems and even educate them about what could solve some of their problems at a grass root level.
- To win their confidence, it is essential that one behaves in the most professional manner becoming of a doctor.
- They should keep their appearance tidy and clean. They must wear a doctor's coat and carry all the equipment required for medical examination of the people. E.g. stethoscope, measuring tapes etc.
- The students must honor the timings of visits and must travel to and fro in the common vehicle allotted to them for the purpose.
- They must be courteous to their own peers and the staff members who shall be accompanying and guiding them.
- The culture of the area being visited is the expert domain of the staff accompanying them and the students shall listen to them to avoid mishaps.
- The unstructured practicals in the field are learning experience and the students shall be up-to-date with cross-subject knowledge necessary to interact with the families.
- Logs and records of visits shall be kept up-to-date and field diaries if any must be signed off by the faculty at the earliest.

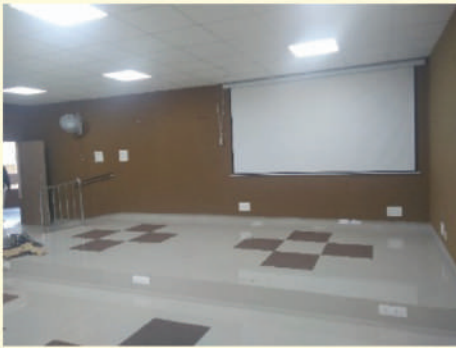
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Community Medicine

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OATH

- I ___ (name) ___ solemnly pledge that I will do the best of my abilities to serve humanity - caring for the sick, promoting good health, and alleviating pain and suffering.
- I recognise that the practice of medicine is a privilege with which comes considerable responsibility and I will not abuse my position.
- I will practice medicine with integrity, humility, honesty, and compassion working with my fellow students and other colleagues to meet the needs of my patients.
- I shall never intentionally do or administer anything to harm my patients.
- I will not permit considerations of gender, race, religion, political affiliation, sexual orientation, nationality, or social standing to influence my duty of care.
- I will oppose policies in breach of human rights and will not participate in them. I will strive to change laws that are contrary to my profession's ethics and will work towards a uniform distribution of health resources.
- I will assist my patients to make informed decisions that coincide with their own values and beliefs and will uphold patient confidentiality

Name: _____

Student Registration number: _____
(Please hold your right arm forward to take pledge;

please sign and retain for reference)

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