O/C

MGM INSTITUTE OF HEALTH SCIENCES

Accredited by NAAC with 'A' Grade

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

Sector-01, Kamothe, Navi Mumbai - 410 209

Tel 022-27432471, 022-27432994, Fax 022 - 27431094

E-mail : registrar@mgmuhs.com ; Website : www.mgmuhs.com

CHOICE BASED CREDIT SYSTEM (CBCS)

(With effect from 2019-20 Batches)

(For Sem I & Sem II)

Curriculum for M.Sc Medical Pharmacology

Dr. Rajesh B. Goel
Registrar
MGM Institute of Health Sciences
(Deemed University u/s 3 of UGC Act, 1956)
Navi Mumbai- 410 209

Approved as per BOM –57/2019, [Resolution No. 3.2.1.6.i], Dated 26/04/2019

22-6-2020

To provide suggestions for subject specific Learning Outcomes based Curriculum Framework proposed by UGC **(MGMIHS)**

Department of Pharmacology **MGM Medical College, Navi Mumbai**		
1	Objectives of PG Education	**M.Sc Course** • **Learning objective no: 1 Acquisition of knowledge** The student should be able to explain clearly concepts and principles of Pharmacology and therapeutics. The student should also be able to explain the drug development processes. S/he should be able to explain Drugs and Cosmetics Act, in addition to clinical trial procedures. Shall be able to perform and interpret experimental data • **Learning objective no: 2 Teaching and training** The student should be able to effectively teach undergraduate students in health science courses so they become competent healthcare professionals and able to contribute to training of postgraduate trainees • **Learning objective no: 3.Research** The student should be able to carry out a research project from planning to publication and be able to pursue academic interests and continue life-long learning to become more experienced in all the above areas and to eventually be able to guide postgraduates in their thesis work. • **Knowledge** At the end of the course, the student shall be able to – o Describe the pharmacokinetics and pharmacodynamics of essential and commonly

		used drugs o List the indications, contraindications, interactions and adverse reactions of commonly used drugs o Indicate the use of appropriate drug in a particular disease with consideration of its cost, efficacy and safety for - individual needs, and mass therapy under national health programmes o Integrate the list the drugs of addiction and recommend the management o Classify environmental and occupational pollutants and state the management issues o Explain pharmacological basis of prescribing drugs in special medical situations such as pregnancy, lactation, infancy and old age o Explain the concept of rational drug therapy in clinical pharmacology and state the principles *underlying* the concept of `Essential Drugs" o Evaluate the ethics and modalities involved in the development and introduction of new drugs o Experimental animals and Animal models for various Diseases o Screening of various drugs in animals models o Instrumentation used in laboratory **2. Skills** At the end of the course, the student shall be able to o Interpret the data of experiments designed for the study of effects of drugs and bioassays which are observed during the study o Scan information on common pharmaceutical preparations and critically evaluate drug formulations. o Be well-conversant with the principles of pharmacy and dispense the medications giving proper instructions
2	Generic graduate attributes	**Scholarly attitude and Research aptitude** • Encouraged to apply for research funding. • Research Methodology training programs • Biostatistics training Program **Exemplary leadership** • Organizes/ helps in organizing various conferences, CMEs and workshops

		• Part of various Institutional Committees • Organizes cultural festivals, Annual fest Student magazines
3	Desired learning Outcomes of Degree	**Social Commitment** • Participates in health campsand Health Education Sessions **Element of critical thinking** In addition to didactic lectures to provide a holistic education students are exposed to the following teaching-learning practices/programs • Seminar • Problem based learning sessions • Journal Club • Webinars **Dynamic professionalism** • Bioethics Topics should be included in Teaching and research • Encouraged to participate in various conferences, CMEs and workshops
4	Proportion of knowledge/skill/Soft Skills in Curriculum	**Effective Communication Skills** • Induction programs to include topics on communication skills
5	Curriculum and Employability	**Global competencies:** • Participate in externships and training programs available across the world • Industry-Academia collaboration

~~**Annexure Item 7**~~

Item 7: Restructuring syllabus of M.Sc. Medical Pharmacology Program (1st and 2nd Semester) as per Choice Based Credit System (CBCS)

ACADEMIC SYLLABUS FOR SEMESTER-I

Name of the Programme	**M. Sc. Medical Pharmacology**
Course Code	_____
Name of the Course	**Medical Pharmacology I Semester**

Course Objective (Teaching Objectives)	• This course is designed to enable students to understand basic concepts of pharmacology. • To acquire basic knowledge and skill of pharmacodynamics, principles of therapeutics and pharmacokinetics of commonly used drug and essential medicines
Course Outcomes (Learning Objectives)	At the end of course student should be able to 1. Understand basic concepts of pharmacology 2. Describe pharmacodynamics and pharmacokinetics of essential and commonly used drugs 3. List indication, contraindication, interaction and adverse reaction of commonly used drugs 4. Indicate the use of appropriate drug in particular disease with consideration of efficacy, safety and cost of the therapy 5. Explain and understand the pharmacological basis for prescribing drug in special medical situations

Unit no.	Theory Topics	Hours allotted No. of-hrs
1.	**General Pharmacology :**Introduction to Pharmacology**,** Sources of Drugs, Routes of Drug Administration, Pharmacokinetics , Pharmacodynamics, Factors Modifying Drug action and Adverse drug reactions.	10
2.	**Autonomic Nervous System:** General Consideration, Adrenergic agonist, Adrenergic antagonists, Cholinergic agonists, Anticholinesterases drugs,Anticholinergic drugs, Skeletal muscle relaxants.	11
3.	**Cardiovascular System:** Antihypertensive Agents, Diuretics and Anti-diuretics,Antianginal Agents, Coagulants & Anticoagulants, Thrombolytics & Antiplatelet agents, Drugs for congestive cardiac failure, Management of shock, Hypolipidemic agents and Haematinics.	16
4.	**Gastrointestinal System:** Emetics and Antiemetics, Drugs for peptic ulcer, Anti-diarrheal agents and Laxative & purgatives.	5
5.	**Respiratory System:** Treatment of Cough, Drugs for Bronchial asthma.	3
	Total	**45**

Unit no.	Tutorial Topics	Hours allotted No. of hrs
1.	Bioavailability of Drug	1
2.	Dosage Form of drugs	1
3.	Pharmacovigilance	1
4.	Management of Organophosphorus Compound Poisoning (OPC)	1
5.	Factors Modifying Drug action	1
6.	Atropine Substitutes	1
7.	β adrenergic blockers	1
8.	Management of Hypertension (HT)	1
9.	Management of Angina pectoris	1
10.	Management of Congestive Cardiac Failure (CCF)	1
11.	Management of Myocardial Infarction (MI)	1
12.	Management of Anemia	1
13.	Management of Diarrhea	1
14.	Management of Bronchial Asthma	1
15.	Skeletal muscle relaxants	1
	Total	**15**

Unit no.	Practical Topics	Hours allotted No. of hrs
1.	Introduction to Practical Pharmacology	4
2.	Prescription Writing	4
3.	Pharmacokinetics- I	4
4.	Routes of Administration – Oral	4
5.	Routes of Administration – Parenteral	4
6.	Routes of Administration – Topical	4

7.	Introduction to Pharmacy	4
8.	Introduction to Experimental Pharmacology	2
	Total hours	**30**

Reference Books:

1. K.D. Tripathi, Essentials of Medical Pharmacology, Japyee Brothers, Post 7193, G-16,
2. EMCA house, 23/23, Bansari Road, Daryanganj, New Delhi
3. R.S. Satoakar, A.D. Bhandarkar, S.S. Ainapure, Pharmacology and Pharmacotherapeutics
4. H.L. Sharma and K.L. Sharma, Principles of Pharmacology, Paras Medical Publisher, Hyderabad, New Delhi

ACADEMIC SYLLABUS FOR SEMESTER-II

Name of the Programme	**M. Sc. Medical Pharmacology**
Course Code	_____
Name of the Course	**Pharmacology II Semester**

Course Objective (Teaching Objectives)	• This course is designed to enable students to understand basic concepts of pharmacology. • To acquire basic knowledge and skill of pharmacodynamics, principles of therapeutics and pharmacokinetics of commonly used drug and essential medicines
Course Outcomes (Learning Objectives)	At the end of course student should be able to 1. Understand basic concepts of pharmacology 2. Describe pharmacodynamics and pharmacokinetics of essential and commonly used drugs 3. List indication, contraindication, interaction and adverse reaction of commonly used drugs 4. Indicate the use of appropriate drug in particular disease with consideration of efficacy, safety and cost of the therapy

	5. Explain and understand the pharmacological basis for prescribing drug in special medical situations

Unit no.	Theory Topics	Hours allotted No. of-hrs
1.	**Drugs affecting Central Nervous system (CNS) :**Introduction to CNS,Sedative and Hypnotics,Local Anaesthetics,General Anaesthetics, Antiepileptics, Antidepressants, Antipsychotics, NSAIDS, Opioids and Antiparkinson agents.	13
2.	**Hormones and Antagonists:** Introduction to Endocrinology, Glucocorticoids,Insulin,Oral hypoglycemic agents,Thyroxine &Antithyroid drugs,Estrogens and Antagonists,Progestins and Antagonists,Oral Contraceptives, Testosterone and Anabolic steroids.	12
3.	**Chemotherapeutic agents:** General consideration, Sulphonamides and Cotrimoxazole, Fluroquinolones, Penicillins, Cephalosporins and Other beta lactam antibiotics, Aminoglycosides, Macrolides, Tetracyclines and Chloramphenicol, Antitubercular drugs, Antileprotic agents, Antimalarial agents, Antiamoebic agents, Antihelminthics, Antifungal agents, Antiviral agents and Cancer Chemotherapy.	20
	Total	**45**

Unit no.	Tutorial Topics	Hours allotted No. of hrs
1.	Management of Epilepsy	1
2.	Management of Depression	1
3.	Management of Pain	1
4.	Management of Drug Dependence	1
5.	Management of Parkinson's disease	1
6.	Management of Diabetes Mellitus	1
7.	Oral contraceptives	1

8.	General consideration of Chemotherapy	1
9.	Management of Urinary tract infection	1
10.	Management of Typhoid	1
11.	Management of Tuberculosis	1
12.	Management of Leprosy	1
13.	Management of Malaria	1
14.	Management of Amoebiasis	1
15.	Management of HIV	1
	Total	**15**

Unit no.	**Practical Topics**	**Hours allotted No. of hrs**
1.	Pharmacokinetics –II	4
2.	Pharmacodynamics-I	4
3.	Pharmacodynamics-II	4
4.	Screening techniques for new drugs	4
5.	Adverse drug reactions	4
6.	Sources of drug Information	4
7.	Computer assisted learning (CAL) – Experimental pharmacology	2
8.	CNS Screening instruments and equipments	4
	Total hours	**30**

Reference Books:

1. K.D. Tripathi, Essentials of Medical Pharmacology, Japyee Brothers, Post 7193, G-16, EMCA house, 23/23, Bansari Road, Daryanganj, New Delhi
2. R.S. Satoskar, A.D. Bhandarkar, S.S. Ainapure, Pharmacology and Pharmacotherapeutics
3. H.L. Sharma and K.L. Sharma, Principles of Pharmacology, Paras Medical Publisher, Hyderabad, New Delhi

MGM INSTITUTE OF HEALTH SCIENCES M. Sc. Medical Students Syllabus for Research Methodology and Biostatistics		
	No. of Hours	
I. Research Methodology:	Theory	Practical
Scientific Methods of Research : Definition of Research, Assumptions, Operations and Aims of Scientific Research. Research Process, Significance and Criteria of Good Research , Research Methods versus Methodology, Different Steps in Writing Report, Technique of Interpretation, Precaution in interpretation, Significance of Report Writing, Layout of the Research Report	5	—
Research Designs: Prospective, retrospective, Observational Studies: Descriptive, explanatory, and exploratory, Experimental Studies: Pre-test design, post-test design, Follow-up or longitudinal design, Cohort Studies, Case Control Studies, Cross sectional studies, Intervention studies, Panel Studies.	5	—
Sampling Designs : Census and Sample Survey, Implications of a Sample Design, Steps in Sampling Design Criteria of Selecting a Sampling Procedure, Characteristics of a Good Sample Design, Different Types of Sample Designs (Probability sampling and non probability sampling), How to Select a Random Sample?, Systematic sampling, Stratified sampling, Cluster sampling, Area sampling, Multi-stage sampling, Sampling with probability proportional to size, Sequential sampling.	4	0
Measurement in research: Measurement Scales, Sources of Error in Measurement, Tests of Sound Measurement, Technique of Developing Measurement Tools, Scaling Meaning of Scaling, Scale Classification Bases, Important Scaling Techniques, Scale Construction Techniques, Possible sources of error in measurement, Tests of sound measurement	5	5
Methods of Data Collection: Types of data, Collection of Primary Data, Observation Method, Interview Method, Collection of Primary Data	3	0
Ethics and Ethical practice in research and plagiarism	1	
Sampling Fundamentals : Need and importance for Sampling, Central Limit Theorem, Sampling Theory, Concept of Standard Error, Estimation, Estimating the Population Mean Estimating Population Proportion, Sample Size and its Determination, Determination of Sample Size through the Approach Based on Precision Rate and Confidence Level.	5	2
II. Biostatistics		

Data Presentation : Types of numerical data: Nominal, Ordinal, Ranked, Discrete and continuous. Tables: Frequency distributions, Relative frequency, Graph: Bar charts, Histograms, Frequency polygons, one way scatter plots, Box plots, two way scatter plots, line graphs	3	3
Measures of Central Tendency and Dispersion : Mean, Median, Mode Range, Inter quartile range, variance and Standard Deviation, Coefficient of variation, grouped mean and grouped standard deviation (including merits and demerits).	3	3
Testing of Hypotheses: Definition, Basic Concepts, Procedure for Hypothesis Testing, Normal distribution, data transformationImportant Parametric Tests, Hypothesis Testing of Means, Hypothesis Testing for Differences between Means, Hypothesis Testing for Comparing Two Related Samples, Hypothesis Testing of Proportions, Hypothesis Testing for Difference between Proportions, Testing the Equality of Variances of Two Normal Populations.	6	6
Chi-square Test: Chi-square as a Non-parametric Test, Conditions for the Application Chi-square test, Steps Involved in Applying Chi-square Test, Alternative Formula, Yates' Correction, and Coefficient by Contingency.	2	2
Measures of Relationship: Need and meaning, Correlation and Simple Regression Analysis	2	2
Analysis of Variance and Covariance: Analysis of Variance (ANOVA):Concept and technique of ANOVA, One-way ANOVA, Two-way ANOVA, ANOVA in Latin-Square Design Analysis of Co-variance (ANOCOVA), ANOCOVA Technique.	4	4
Nonparametric or Distribution-free Tests: Important Nonparametric or Distribution-free Test Sign test, Wilcoxon signed-Rank Test, Wilcoxon Rank Sum Test: Mann-Whitney U test Kruskal Walli's test, Friedman's test, and Spearman Correlation test.	3	3
Vital Health Statistics: Measurement of Population: rate, crude rate, specific rate, *Measurement of fertility***:** specific fertility rate, Total fertility rate, *Reproduction rate,* Gross Reproduction Rate, Net Reproduction Rate, Measures related to mortality: Crude Death Rate (CDR) , Age-specific death Rate, Infant and child mortality rate, Measures related to morbidity.	4	3
Computer Application Use of Computer in data analysis and research, Use of Software and Statistical package.	0	2
Total hours	55	35

Name of the Degree: M.Sc. Medical Pharmacology

AIMS OF THE PROGRAM

Postgraduate qualification in MedicalPharmacology can secure placements in Academics and Pharma industries. In academics, one can persue for higher education like Ph.D. in Pharmacology. After completion of the course, one can work as Teaching faculty in a Medical College or as a researcher associate inResearch and Development(RND).

Duration of Study: The duration of the study for M.Sc. Medical Pharmacology will be of six semesters spread over three years.

Program pattern- Commencement of Semester

- First Semester: August
- Second Semester: February
- Third Semester: August
- Fourth Semester: February
- Fifth Semester: August
- Sixth Semester: February

Eligibility Criteria: As a minimum criterion of eligibility, aspiring candidates are needed to have attained a B.Sc. in any discipline of Life Sciences, Biosciences, Bachelor's degree in any of Physics, Biological Sciences, M.B.B.S, BDS, BAMS, BHMS, B.Pharm.,B.Tech (Biotechnology), Bachelor’s Degree in Agricultural, Veterinary and Fishery Sciences, or equivalent examination with a minimum aggregate score of 50%.

For any query visit the website: www.mgmuhs.com

CURRICULUM FOR M. Sc. Medical Pharmacology

I st YEAR

Semester I							
	Syllabus Ref. No.	**Subject**	**Credits**	**Teaching hours**	**Marks**		
	Theory				**Internal Assessment**	**Semester Exam**	**Total**
	MF101T	**Medical Anatomy**	**4**	**4**	**20**	**60**	**80**
	MF102T	**Medical Physiology**	**4**	**4**	**20**	**60**	**80**
	MF103T	**Medical Biochemistry**	**4**	**4**	**20**	**60**	**80**
	MF104T	**Medical Pharmacology**	**4**	**4**	**20**	**60**	**80**
	MF105T	**Medical Microbiology**	**4**	**4**	**20**	**60**	**80**
	Practical						
	MF101P	**Medical Anatomy**	**1**	**2**	**20**	**50**	**70**
	MF102P	**Medical Physiology**	**1**	**2**	**20**	**50**	**70**
	MF103P	**Medical Biochemistry**	**1**	**2**	**20**	**50**	**70**
	MF104P	**Medical Pharmacology**	**1**	**2**	**20**	**50**	**70**
	MF105P	**Medical Microbiology**	**1**	**2**	**20**	**50**	**70**
	Total		**25**	**30**	**200**	**550**	**750**

Semester II

	Syllabus Ref. No.	Subject	Credits	Teaching hours	Marks		
	Theory				**Internal Assessment**	**Semester Exam**	**Total**
	MP201T	**Medical Anatomy**	**4**	**4**	**20**	**60**	**80**
	MP202T	**Medical Physiology**	**4**	**4**	**20**	**60**	**80**
	MP203T	**Medical Biochemistry**	**4**	**4**	**20**	**60**	**80**
	MP204T	**Medical Pharmacology**	**4**	**4**	**20**	**60**	**80**
	MP205T	**Medical Microbiology**	**4**	**4**	**20**	**60**	**80**
	MP206T	**Research Methodology & Biostatistics (Core Course)**	**4**	**4**	**20**	**60**	**80**
	Practical						
	MP201P	**Medical Anatomy**	**1**	**2**	**20**	**50**	**70**
	MP202P	**Medical Physiology**	**1**	**2**	**20**	**50**	**70**
	MP203P	**Medical Biochemistry**	**1**	**2**	**20**	**50**	**70**
	MP204P	**Medical Pharmacology**	**1**	**2**	**20**	**50**	**70**
	MP205P	**Medical Microbiology**	**1**	**2**	**20**	**50**	**70**
	MP206P	**Research Methodology & Biostatistics (Core Course)**	**1**	**2**	**20**	**50**	**70**
	Total		**30**	**36**	**240**	**660**	**900**

2ND YEAR

Semester III							
	Syllabus Ref. No.	**Subject**	**Credits**	**Teaching hours**	**Marks**		
	Theory				**Internal Assessment**	**Semester Exam**	**Total**
	MF301T	Details of general pharmacology, CVS, ANS	4	4	20	60	80
		Core Elective course**	4	4	Internal Exam 80 Marks		
	MF302CET	Pharmacovigilance					
	MF303CET	Drug development using vertebrate animals					
	MF304	Clinical Postings	6	18	50		50
	MF305	Dissertation/Project Proposal*	5	10	50	-	50
	MF306	Seminar	2	2	50		50
	Practical						
	MF301P	Clinical pharmacokinetic, Pharmacy, dosage form	2	4	20	50	70
	MF302CEP MF303CEP	Core Elective practical Pharmacovigilance, clinical pharmacology	1	2	Internal Exam 70 Marks		
		Total	24	44	190	110	300

Semester IV							
	Syllabus Ref. No.	**Subject**	**Credits**	**Teaching hours**	**Marks**		
	Theory				**Internal Assessment**	**Semester Exam**	**Total**
	MF401T	**Details of Endocrinology, CNS, Ethics,**	4	4	20	60	80
		General elective **	4	4			
	MF402GE	Bioethics, Biosafety, IPR & Technology Transfer	Internal Exam of 80 Marks				
	MF402GE	Disaster Management and Mitigation Resources					
	MF403GE	Human rights					
	MF404	Clinical Postings	7	21	50		50
	MF405	Dissertation / Project*	5	10	50		50
	MF406	Seminar	2	2	50		50
	Practical						
	MF401P	Bioassay, Experimental graphs	2	4	20	50	70
		Total	24	45	190	110	300

IIIrd YEAR

Semester V							
	Syllabus Ref. No.	**Subject**	**Credits**	**Teaching hours**	**Marks**		
	Theory				**Internal Assessment**	**Semester Exam**	**Total**
	MF501T	Drug discovery and development	4	4	20	60	80
	MF502	Clinical Postings	6	18	50		50
	MF503	Dissertation / Project*	12	24	50		50
	Practical						
	MF501P	Clinical research, Instrumentation	1	2	20	50	70
		Total	23	46	140	110	250

Semester VI							
	Syllabus Ref. No.	**Subject**	**Credits**	**Teaching hours**	**Marks**		
	Theory				**Internal Assessment**	**Semester Exam**	**Total**
	MF601T	Drug screening and Evaluation methods	4	4	20	60	80
	MF602	Clinical Postings	6	18	50		50
	MF603	Dissertation / Project*	12	24		100	100
	Practical						
	MF601P	Animal handling, short procedures	2	4	20	50	70
		Total	24	50	90	210	300

*(a) ***Dissertation / Project*** **Course** commences in II nd Semester.

Students should undergo ICMR Online Course of Research Methodology before submitting the protocol for their Dissertation. (Ist / II nd Semester)

Allotment of Guide	II nd Semester (On or Before 30 April)
Submission of Protocol for Scientific and Ethical Committee Approval	III rd Semester (On or Before 14 th Aug)
Scientific and Ethical Approval	III rd Semester (On or Before 14 th October)
Commencement of Research Work	III rd Semester 15th October
Submission of Thesis	VI th Semester 31 st March

(Elective): Any one subject is to be chosen from the subjects offered (Subjects offered may change from time to time depending on the availability of expertise)

**Elective courses may or may not have practical and/or field work.

Mahatma Gandhi Mission's

MEDICAL COLLEGE

Sector1, Kamothe Navi Mumbai – 410209,
Tel No.: 022-27433404, 27437991, 27437900 Fax : (022) 27432459
Email: mgmmcnb@gmail.com/ Website : www.mgmmedicalcollege.org.in

Academic Year 2019 – 2020

Academic Calendar For M.Sc. (3 Years) Medical Courses

(Anatomy, Physiology, Biochemistry, Pharmacology, Microbiology)

SCHEDULE OF ACTIVITY	DATES
Commencement of First Semester	01.08.2019
Receipt of completed Eligibility forms at MGMIHS from Respective college without late fees Receipt of completed Eligibility forms at MGMIHS from Respective college with late fees (Only for new admission)	On or before 30.10.2019 On or before 30.11.2019
Commencement of Internal Exam	3rd Week of November 2019
Winter Vacation for Staff	16.10.2019 to 15.11.2019
Notification of First Semester University Examination	As per MGMIHS
Commencement of First Semester University Examination	1 Week of January 2020
Conclusion of respective semesters	Last week of January 2020
Declaration of final Result	As per MGMIHS
Commencement of Second Semester	1st Week of February 2020
Commencement of Internal Examination	3rd Week of April 2010
Allotment of Guide for Dissertation	On or Before 30 th April 2020
Notification of Second Semester University Examination	As per MGMIHS
Summer Vacation for staff	01.05.2020 to 10.06.2020
Commencement of Second Semester University Examination	1 Week of July 2020
Conclusion of Second Semester	15 July 2020
Declaration of final Result	As per MGMIHS
Commencement of Next Academic Session	16.07.2020

Mahatma Gandhi Mission's
MEDICAL COLLEGE
Sector1, Kamothe Navi Mumbai – 410209,
Tel No.: 022-27433404, 27437991, 27437900 Fax : (022) 27432459
Email: mgmmcnb@gmail.com/ Website : www.mgmmedicalcollege.org.in

Academic Year 2020 – 2021
Academic Calendar For M.Sc. (3 Years) Medical Courses
(Anatomy, Physiology, Biochemistry, Pharmacology, Microbiology)

SCHEDULE OF ACTIVITY	DATES
Commencement of Third Semester	16.07.2020
Submission of Protocol for Scientific and Ethical Approval	14.08.2020
Commencement of Internal Exam	3rd Week of November 2020
Winter Vacation for Staff	16.10.2020 to 15.11.2020
Notification of First and Third Semester University Examination	As per MGMIHS
Commencement of Third Semester University Examination	1 Week of January 2021
Conclusion of respective semesters	15 January 2021
Declaration of final Result	As per MGMIHS
Commencement of Fourth Semester	3rd week of January 2021
Commencement of Internal Examination	2nd Week of April 2021
Notification of Fourth Semester University Examination	As per MGMIHS
Summer Vacation for staff	01.05.2021 to 10.06.2021
Commencement of Fourth Semester University Examination	3rd Week of June 2021
Conclusion of Respective Semesters	30 June 2021
Declaration of final Result	As per MGMIHS
Commencement of Next Academic Section	1.07.2021

Mahatma Gandhi Mission's
MEDICAL COLLEGE
Sector1, Kamothe Navi Mumbai – 410209,
Tel No.: 022-27433404, 27437991, 27437900 Fax : (022) 27432459
Email: mgmmcnb@gmail.com/ Website : www.mgmmedicalcollege.org.in

Academic Year 2021 – 2022
Academic Calendar For M.Sc. (3 Years) Medical Courses
(Anatomy, Physiology, Biochemistry, Pharmacology, Microbiology)

SCHEDULE OF ACTIVITY	DATES
Commencement of Fifth Semester	1.07.2021
Commencement of Internal Exam	3rd Week of November 2021
Winter Vacation for Staff	16.10.2021 to 15.11.2021
Notification of First, Third and Fifth Semester University Examination	As per MGMIHS
Commencement of Fifth Semester University Examination	First Week of December 2021
Conclusion of Fifth semester	Second Week of December 2021
Declaration of final Result	As per MGMIHS
Commencement of Sixth Semester	16 December 2021
Submission of Dissertation	31 March 2022
Commencement of Internal Examination	2nd Week of April 2022
Notification of Fourth Semester University Examination	As per MGMIHS
Summer Vacation for staff	01.05.2022 to 10.06.2022
Commencement of Sixth Semester University Examination	1st June 2022
Conclusion of Respective Semesters	30 June 2022
Declaration of final Result	As per MGMIHS