



MAHATMA GANDHI UNIVERSITY
of
MEDICAL SCIENCES & TECHNOLOGY
JAIPUR

**Local, National, Regional and
Global Health Care Needs
Visible in Course Outcomes
and Program Outcomes
Of
MGUMST**



MAHATMA GANDHI UNIVERSITY
of
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List of Curricula developed and implemented having relevance to the local, national, regional and global health care needs which are visible in Programme Outcomes (POs), and Course Outcomes (COs) offered by the University

Sr. No.	Particulars
1	Anatomy
2	Physiology
3	Biochemistry
4	Pathology
5	Microbiology
6	Pharmacology
7	Forensic Medicine
8	Community Medicine
9	General Medicine
10	Dermatology Venereology & Leprosy
11	Respiratory Medicine
12	Psychiatry
13	Paediatrics
14	General Surgery
15	Orthopaedics
16	Otorhinolaryngology
17	Ophthalmology
18	Obstetrics & Gynaecology
19	Anesthesiology
20	Radiodiagnosis
21	Anaesthesia
22	Nursing
23	Physiotherapy
24	Occupational Therapy
25	Dentistry


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Name of the Constituent College: Mahatma Gandhi Nursing College

Name of the Department: Nursing

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
BSc	BSc Nursing (Basic)	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Medical-Surgical Nursing	<ul style="list-style-type: none"> Prepare graduate to assume responsibilities as professional, competent nurses and midwives in providing promotive, preventive, curative and rehabilitative services. 	MGUMST
	Post-Basic BSc Nursing	Medical-Surgical Nursing	Assess health status, identify nursing needs, plan, implement and evaluate nursing care for patients that contribute to health of individuals, families and communities.	


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MSc	MSc Nursing	Medical surgical nursing	Utilize / apply the concepts, theories and principles of nursing science.	
UPGCC	UPGCC CCU Nursing Paper1 Paper2	Introduction to critical care nursing	<ul style="list-style-type: none"> Develop an understanding of philosophy, principles, methods and issues, management, education and research in critical care nursing. 	MGUMST
PhD	PhD Nursing	Research Methodology	<ul style="list-style-type: none"> Have a thorough knowledge of the literature and a comprehensive understanding of scientific methods and techniques applicable to their own research. Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field 	MGUMST

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Name of the Constituent College: Mahatma Gandhi College of Health Informatics

Name of the Department: Health Informatics

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
B.Sc.	B.Sc.Health Informatics	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Basics of Health Informatics	<ul style="list-style-type: none"> The application and transfer of scientific knowledge to concrete, current issues in the field of healthcare informatics . Able to carry out both scientifically founded and ethically insightful work on the basis of a systematic approach. 	MGMUST

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Name of the Constituent College: Mahatma Gandhi College of Hospital Administration

Name of the Department: Hospital Administration

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MHA (Master of Hospital Administration)	Master of Hospital Administration Paper1 Paper2 Paper3 Paper4	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		General Administration and Management of a Hospital	<ul style="list-style-type: none"> Follow scientific approach to management in general and the hospital administration in particular. Able to handle man-power planning, personnel selection, job analysis, job specifications and development of staffing pattern to suit the needs of an organization. 	MGUMST


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Name of the Constituent College: Mahatma Gandhi Dental College

Name of the Department:

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
BDS		Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
	Anatomy	General anatomy: Introduction of anatomical terms and brief outline of various systems of the body.	1. Have an idea about the basis of critical stages of development, abnormal development, and effects of teratogens, genetic mutations and environmental hazards. 2. Know the sectional anatomy of head, neck and brain to read the features in radiographs and pictures taken by modern imaging techniques.	DCI
	Physiology	Respiratory System Central	1. Explain the normal functioning of all the organ systems and their interactions for well co-ordinated total body function. 2. Assess the relative contribution of	


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		Nervous System	each organ system towards the maintenance of the milieu interior.
	Biochemistry	Biochemical Genetics and Protein Synthesis	<ol style="list-style-type: none"> 1. Know about basics of biochemical genetics and molecular biology. 2. Know about antivitamins, antimetabolites and enzyme inhibitors, an overview of metabolic regulation including hormonal action, second messengers and regulation of enzyme activities.
	Dental anatomy	Oral Histology	<ol style="list-style-type: none"> 1. Appreciate the normal development, morphology, structure & functions of oral tissues & variations in different pathological/ non-pathological states. 2. Understand the histological basis of various dental treatment procedures and physiologic ageing process in the dental tissues.
	General pathology	General Pathology	<ol style="list-style-type: none"> 1. Recognize and analyse pathological changes at macroscopic and microscopic levels and explain their observations in terms of disease processes. 2. Integrate knowledge from the basic sciences, clinical medicine and dentistry in the study of Pathology.


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	Microbiology	General micro biology	<ol style="list-style-type: none"> 1. Apply the knowledge gained in related medical subjects like General Medicine and General Surgery and Dental subjects like Oral Pathology, Community Dentistry, Periodontics, Oral Surgery, Pedodontics, Conservative Dentistry and Oral medicine in higher classes. 2. Understand and practice various method of Sterilisation and disinfection in dental clinics. 	
	Pharmacology	Introduction to Pharmacology and definitions.	<ol style="list-style-type: none"> 1. Tailor the use of appropriate drugs in disease with consideration to its cost, efficiency, safety for individual and mass therapy needs. Indicate special care in prescribing common and essential drugs in special medical situations such as pregnancy, lactation, old age, renal, hepatic damage and immuno compromised patients 	
	General medicine	<p>Aims of medicine, Definitions of signs, symptoms, diagnosis, differential diagnosis treatment & prognosis.</p> <p>Medical emergencies</p>	<ol style="list-style-type: none"> 1. Know about Medical emergencies in dental practice. 2. Record the arterial pulse, blood pressure and be capable of suspecting by sight and superficial examination of the body- diseases of the heart, lungs, kidneys, blood etc. and will be capable of handling medical emergencies encountered in dental 	


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			practice.	
	General Surgery	Introduction to various aspects of surgical principles as related to orodental diseases.	<ol style="list-style-type: none"> 1. Demonstrate understanding of general surgery relevant to dentistry. 2. Demonstrate knowledge of relevant diseases and surgical ailments related to head and neck region 	
	Oral pathology & oral microbiology	Different pathological processes involving the oral cavity, oral cavity involvement in systemic diseases, interrelationship between General Medicine, General Surgery & Oral pathology.	<ol style="list-style-type: none"> 1. Demonstrate knowledge of Different types of pathological processes that involve the oral cavity. 2. Demonstrate knowledge of Manifestations of common diseases, their diagnosis & correlation with clinical pathological processes. 	
	Public health dentistry	Public health	<ol style="list-style-type: none"> 1. Demonstrate knowledge of the basics of public health, preventive dentistry, public health problems in India, nutrition, environment and its role in health, basics of dental statistics, epidemiological methods, National oral health policy. 	


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	Periodontology	Development of periodontal tissues	1. Develop attitude to impart preventive measures like prevention of periodontal diseases and prevention of progress of diseases.
	Orthodontics	Growth & Development	1. Diagnose, analyse and treat common orthodontic problems by preventive, interceptive and corrective orthodontic procedures.
	Oral medicine and radiology	Oral Medicine and Diagnostic Aids Radiology	1. Demonstrate knowledge of importance, role, use and techniques of radiographs/digital radiograph and other imaging methods in diagnosis
	Oral surgery	Principles of oral surgery	1. Diagnose, manage and treat (understand the principles of treatment of) patients with oral surgical problems. 2. Demonstrate knowledge of range of surgical treatments.
	Conservative dentistry and endodontics	Definition, Aim & Scope of Conservative Dentistry & Endodontics	1. Able to perform RCT for anterior teeth 2. Competently carry out small composite restorations 3. Understand the principles of aesthetic dental procedures
	Pediatric and preventive dentistry	Development of Occlusion from Birth through Adolescence:	1. Instil a positive attitude and behaviour in children towards oral health and understand the principles of prevention and preventive dentistry


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			<p>right from birth to adolescence.</p> <p>2. Guide and counsel the parents in regards to various treatment modalities including different facets of preventive dentistry.</p>	
	Prosthodontics and crown and bridge	Diagnosis and treatment planning for patients:	<p>1. Competently carry out treatment of conventional complete and partial removable dentures and fabricate fixed partial dentures.</p> <p>2. Carry out treatment with routine prosthodontic procedures</p>	
MDS	<p>Conservative Dentistry and Endodontics</p> <p>Part 1 paper 1</p> <p>Part 2 paper 1</p> <p>Part 2 paper 2</p> <p>Part 2 paper 3</p>		<p>3. Demonstrate knowledge about etiology, pathophysiology, periapical diagnosis and management of common restorative situations, endodontic situations that will include contemporary management of dental caries, management of trauma and pulpal pathosis including periodontal situations.</p> <p>4. Demonstrate understanding of basic sciences as relevant to conservative / restorative dentistry and Endodontics.</p> <p>5. Identify social, economic, environmental and emotional determinants in a given case or community and take them into account</p>	DCI


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			for planning and execution at individual and community level.
	<p>Oral medicine and radiology</p> <p>Part 1 paper 1</p> <p>Part 2 paper 1</p> <p>Part 2 paper 2</p> <p>Part 2 paper 3</p>		<ol style="list-style-type: none"> 1. Demonstrate understanding of basic sciences relevant to speciality; 2. Describe etiology, pathophysiology, principles of diagnosis and management of common problems within the speciality in adults and children; 3. Identify social, economic, environmental and emotional determinants in a given case and take them into account for planned treatment
	<p>Oral and maxillofacial surgery</p> <p>Part 1 paper 1</p> <p>Part 2 paper 1</p> <p>Part 2 paper 2</p> <p>Part 2 paper 3</p>		<ol style="list-style-type: none"> 1. Demonstrate adequate knowledge and understanding of the etiology, pathophysiology and diagnosis, treatment planning of various common oral and maxillofacial surgical problems both minor and major in nature. 2. Demonstrate adequate knowledge of general surgical principles like pre and post surgical management, particularly evaluation, post surgical care, fluid and electrolyte management, blood transfusion and post surgical pain management. 3. Demonstrate adequate understanding of basic sciences relevant to practice of oral and maxillofacial


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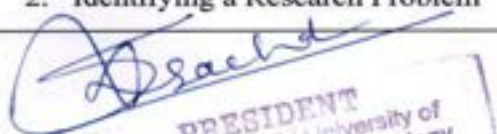
			surgery.
Orthodontics and Dentofacial orthopedics Part 1 paper 1 Part 2 paper 1 Part 2 paper 2 Part 2 paper 3			<ol style="list-style-type: none"> 1. Demonstrate adequate knowledge and understanding of the etiology, pathophysiology and diagnosis, treatment planning of various common oral and maxillofacial surgical problems both minor and major in nature. 2. Demonstrate adequate knowledge of general surgical principles like pre and post surgical management, particularly evaluation, post surgical care, fluid and electrolyte management, blood transfusion and post surgical pain management. 3. Demonstrate adequate understanding of basic sciences relevant to practice of oral and maxillofacial surgery.
Pediatric and preventive dentistry Part 1 paper 1 Part 2 paper 1 Part 2 paper 2 Part 2 paper 3			<ol style="list-style-type: none"> 1. Understand the principles of prevention and preventive dentistry right from birth to adolescence 2. Guide and counsel the parents in regards to various treatment modalities including different facets of preventive dentistry
Periodontology Part 1 paper 1 Part 2 paper 1 Part 2 paper 2 Part 2 paper 3			<ol style="list-style-type: none"> 1. Describe various preventive periodontal measures 2. Describe various treatment modalities of periodontal disease from historical aspect to currently available ones 3. Describe interrelationship between


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			periodontal disease and various systemic conditions	
	Prosthodontics and crown and bridge Part 1 paper 1 Part 2 paper 1 Part 2 paper 2 Part 2 paper 3		<ol style="list-style-type: none"> 1. Demonstrate complete knowledge of various dental materials used in the speciality with a thorough understanding of the appropriate indication, manipulation characteristics, and comparison with other materials available. 2. Demonstrate knowledge and practice of history taking, diagnosis, treatment planning, prognosis, record maintenance of oral, craniofacial and systemic region. 3. Demonstrate knowledge of comprehensive rehabilitation concept with pre prosthetic treatment plan including surgical reevaluation and prosthodontic treatment planning, impressions, jaw relations, utility of face bows, articulators, selection and positioning of teeth, teeth arrangement for retention, stability, esthetics, phonation, psychological comfort, fit and insertion of different types of prosthesis. 	
PhD	Conservative dentistry and endodontics		1. Identifying Need and Purpose of Dental Research Characteristics of a Good Dental Research Steps in Carrying Out Dental Research	DCI


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			<p>2. Identifying a Research Problem Formulating a Research Problem Research Objectives Research Question Hypothesis Types of Hypothesis Bias, Variables</p> <p>3. Demonstrate knowledge about etiology, pathophysiology, periapical diagnosis and management of common restorative situations, endodontic situations that will include contemporary management of dental caries, management of trauma and pulpal pathosis including periodontal situations.</p> <p>4. Demonstrate understanding of basic sciences as relevant to conservative / restorative dentistry and Endodontics.</p> <p>5. Identify social, economic, environmental and emotional determinants in a given case or community and take them into account for planning and execution at individual and community level.</p>	
	Oral medicine and radiology		<p>1. Identifying Need and Purpose of Dental Research Characteristics of a Good Dental Research Steps in Carrying Out Dental Research</p> <p>2. Identifying a Research Problem</p>	


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			<p>Formulating a Research Problem Research Objectives Research Question Hypothesis Types of Hypothesis Bias, Variables</p> <ol style="list-style-type: none"> 3. Demonstrate understanding of basic sciences relevant to speciality; 4. Describe etiology, pathophysiology, principles of diagnosis and management of common problems within the speciality in adults and children; 5. Identify social, economic, environmental and emotional determinants in a given case and take them into account for planned treatment
	Oral and maxillofacial surgery		<ol style="list-style-type: none"> 1. Identifying Need and Purpose of Dental Research Characteristics of a Good Dental Research Steps in Carrying Out Dental Research 2. Identifying a Research Problem Formulating a Research Problem Research Objectives Research Question Hypothesis Types of Hypothesis Bias, Variables 3. Demonstrate understanding of basic sciences relevant to speciality; 4. Demonstrate adequate knowledge and understanding of the etiology, pathophysiology and diagnosis,


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			<p>treatment planning of various common oral and maxillofacial surgical problems both minor and major in nature.</p> <p>5. Demonstrate adequate knowledge of general surgical principles like pre and post surgical management, particularly evaluation, post surgical care, fluid and electrolyte management, blood transfusion and post surgical pain management.</p> <p>6. Demonstrate adequate understanding of basic sciences relevant to practice of oral and maxillofacial surgery.</p>
	Prosthodontics and crown and bridge		<p>1. Identifying Need and Purpose of Dental Research Characteristics of a Good Dental Research Steps in Carrying Out Dental Research</p> <p>2. Identifying a Research Problem Formulating a Research Problem Research Objectives Research Question Hypothesis Types of Hypothesis Bias, Variables</p> <p>3. Demonstrate understanding of basic sciences relevant to speciality;</p> <p>4. Demonstrate complete knowledge of various dental materials used in the speciality with a thorough understanding of the appropriate indication, manipulation characteristics, and comparison with other materials available.</p>


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		<p>5. Demonstrate knowledge and practice of history taking, diagnosis, treatment planning, prognosis, record maintenance of oral, craniofacial and systemic region.</p> <p>6. Demonstrate knowledge of comprehensive rehabilitation concept with pre prosthetic treatment plan including surgical reevaluation and prosthodontic treatment planning, impressions, jaw relations, utility of face bows, articulators, selection and positioning of teeth, teeth arrangement for retention, stability, esthetics, phonation, psychological comfort, fit and insertion of different types of prosthesis.</p>	
	<p>Pediatric and preventive dentistry</p>	<p>1. Identifying Need and Purpose of Dental Research Characteristics of a Good Dental Research Steps in Carrying Out Dental Research</p> <p>2. Identifying a Research Problem Formulating a Research Problem Research Objectives Research Question Hypothesis Types of Hypothesis Bias, Variables</p> <p>3. Demonstrate understanding of basic sciences relevant to speciality;</p> <p>4. Understand the principles of prevention and preventive dentistry right from birth to adolescence</p> <p>5. Guide and counsel the parents in</p>	


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			regards to various treatment modalities including different facets of preventive dentistry
	Periodontology		<p>1. Identifying Need and Purpose of Dental Research Characteristics of a Good Dental Research Steps in Carrying Out Dental Research</p> <p>2. Identifying a Research Problem Formulating a Research Problem Research Objectives Research Question Hypothesis Types of Hypothesis Bias, Variables</p> <p>3. Demonstrate understanding of basic sciences relevant to speciality;</p> <p>4. Describe various preventive periodontal measures</p> <p>5. Describe various treatment modalities of periodontal disease from historical aspect to currently available ones</p> <p>6. Describe interrelationship between periodontal disease and various systemic conditions</p>
	Orthodontics and Dentofacial orthopedics		<p>1. Identifying Need and Purpose of Dental Research Characteristics of a Good Dental Research Steps in Carrying Out Dental Research</p> <p>2. Identifying a Research Problem Formulating a Research Problem Research Objectives Research Question Hypothesis Types of Hypothesis Bias,</p>


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		<p>Variables</p> <p>3. Demonstrate understanding of basic sciences relevant to speciality;</p> <p>4. Understand dynamic interaction of biologic processes & mechanical forces acting on the stomatognathic system during orthodontic treatment.</p> <p>5. Understand aetiology, pathophysiology, diagnosis & treatment planning of various orthodontic problems.</p> <p>6. Understand various treatment modalities in orthodontics: preventive, interceptive & corrective.</p>	
<p>University Advanced Post Graduate Certificate Course in Oral Implantology</p>	<p>Paper 1 Paper 2</p>	<p>Able to diagnose clinical situations and provide proper treatment to complete & partially edentulous patients with implant retained/ supported prostheses.</p> <p>(2) Knowledgeable in various implant and related surgical techniques (1st stage & 2nd Stage)</p> <p>(3) In a position to repair & restore the lost oral structures to maintain harmony between both the hard and soft tissues of the oral cavity and facial structures.</p> <p>(4) Knowledgeable in the currently available materials used in Implant therapy.</p> <p>(5) Able to assess the predictable long term results of an implant supported prosthesis.</p>	<p>MGUMST</p>


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			(6) Able to manage Surgical/Prosthodontic complications which may arise after therapy.	
University Advanced Post Graduate Certificate Course in Preventive Dentistry	Paper 1 Paper 2		1. Understand the principles of prevention and preventive dentistry right from birth to adolescence 2. Guide and counsel the parents in regards to various treatment modalities including different facets of preventive dentistry	MGUMST


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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Pharmacology

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Pharmacology	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Clinical pharmacology Experimental pharmacology	<ul style="list-style-type: none"> Integrate the concept of rational drug therapy in clinical pharmacology Familiar with basic, clinical and translational research as it applies to the care of the patient. 	NMC
MD	MD Pharmacology Paper1 Paper2 Paper3 Paper4	Clinical pharmacology Experimental pharmacology	<ul style="list-style-type: none"> Effectively explain to patients, the effects and side effects of drugs, including the need for medication adherence. Able to carry out a research project (both basic and clinical) from planning to publication. 	NMC
M Sc	M Sc	General Pharmacology	a. Apply and integrate knowledge of pathophysiology of diseases and its modulation by drugs.	MGMUST


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PhD	Pharmacology Paper1 Paper2 Paper3 PhD Pharmacology	Systemic Pharmacology and mechanism of drug action. Research Methodology	<p>b. Rational use of drugs and prescription auditing.</p> <ul style="list-style-type: none"> • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. • Have developed the ability to critically evaluate current research and research techniques and methodologies. 	MGMUST
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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Radiodiagnosis

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
		Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
MBBS	Radiodiagnosis	Basics of radiology and radiological procedures	<ul style="list-style-type: none"> Understand basics of X-ray production, its uses and hazards. Appreciate and diagnose changes in bones -like fractures, infections, tumors and metabolic bone diseases. 	NMC
MD	MD Radiodiagnosis Paper1 Paper2 Paper3 Paper4	Radiography and processing techniques	<ul style="list-style-type: none"> Independently conduct and interpret all routine and special radiologic and imaging investigations. Provide radiological services in acute emergency and trauma including its medicolegal aspects. 	NMC


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MD	MD Radiation Oncology (Radiotherapy) Paper1 Paper2 Paper3 Paper4	Investigative and imaging procedures Radiation Pathology	<ul style="list-style-type: none"> • Attain knowledge and a high level of technical expertise in all forms of radiation as a therapeutic tool used in Radiation Oncology. • Knowledge of the adverse effects of radiation including radiation related accompaniments. 	NMC
MSc	MSc Medical Imaging Technology Paper1 Paper2 Paper3	Radiation Physics	<ul style="list-style-type: none"> • Knowledge and understanding of the principles, technology, instrumentation, recent developments and proper handling of the modern radiological equipments and proper execution of the various radiological procedures . 	MGMUST
BSc.	BSc Radio-Imaging Technology Paper1 Paper2 Paper3	Radiation Physics	<ul style="list-style-type: none"> • To equip with the skills and expertise in carrying out all routine medical diagnostic procedures efficiently. • Knowledge and understanding of the principles, technology, instrumentation, recent developments and proper handling of the radiological equipments and proper execution of the various radiological procedures . 	MGMUST
UDC	UDC Clinical EEG Paper1 Paper2	Radiation Physics	<ul style="list-style-type: none"> • Knowledge and understanding of the principles, technology, instrumentation, recent developments and proper handling of the electroencephalography equipments and proper 	MGMUST


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PhD	PhD Radiodiagnosis	Research Methodology	<p>execution of the radiological procedure .</p> <ul style="list-style-type: none"> • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. • Have developed the ability to critically evaluate current research and research techniques and methodologies. 	MGMUST
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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Respiratory Medicine

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
		Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
PhD	PhD Respiratory Medicine	Research Methodology	<ul style="list-style-type: none"> • Have a thorough knowledge of the literature and a comprehensive understanding of scientific methods and techniques applicable to their own research. • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field 	MGUMST
MD	MD Respiratory Medicine Paper I	Clinical Pulmonary Medicine Critical care Pulmonary Medicine	<ul style="list-style-type: none"> • Develop management plans for various pulmonary diseases. • Recognize emergency situations in intensive care, respond to these appropriately and perform basic critical care 	NMC


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	Paper2 Paper3 Paper4		monitoring and therapeutic procedures.	

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Name of the Constituent College: Mahatma Gandhi Medical College and Hospital

Name of the Department: Physiology

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulator bodies manuals
MBBS	Physiology	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		General Physiology	<ul style="list-style-type: none"> • Achieve competence in practice of holistic medicine, encompassing promotive, preventive, curative and rehabilitative aspects of common diseases. • Develop scientific temper, acquire educational experience for proficiency in profession and promote healthy living. 	NMC


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MD	MD Physiology Paper1 Paper2 Paper3 Paper4	<ul style="list-style-type: none"> Applied Physiology Clinical Physiology	<ul style="list-style-type: none"> Conduct relevant clinical/experimental research as would have significant bearing on human health and patient care. Effectively teach undergraduate medical, paramedical and all other basic science students, the basic physiological mechanisms of the human body, with reference to their implications in the pathogenesis (pathophysiological processes) of diseases affecting the various organ systems and the physiological basis of their management. 	NMC
PhD	PhD Physiology	Research Methodology	<ul style="list-style-type: none"> Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. Have developed the ability to critically evaluate current research and research techniques and methodologies. 	MGMUS
Msc	MSc Physiology Paper1 Paper2 Paper3	<ul style="list-style-type: none"> General physiology Experimental and human physiology 	<ul style="list-style-type: none"> Understand the physiological basis of diseases. Conduct experiments designed for study of physiological 	MGMUS


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			phenomenon.	
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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Psychiatry


Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
		Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
MBBS	Psychiatry	Introduction and classification of psychiatric disorders	<ul style="list-style-type: none"> Comprehend nature and development of different aspects of normal human Behavior like learning, memory, motivation, personality and intelligence. Recognize differences between normal and abnormal behavior 	NMC
MD	MD Psychiatry	Substance related disorders	<ul style="list-style-type: none"> The student should acquire knowledge of substance related disorders and their management. The student should acquire knowledge of psychotic disorders, mood disorders, and anxiety disorders and their management 	NMC
		Psychotic, mood and anxiety disorders		


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PhD	PhD Psychiatry	Research Methodology	<ul style="list-style-type: none"> • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field • Be able to act autonomously in the planning and implementation of research; and have gained oral presentation and scientific writing skills. 	MGUMST
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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Orthopedics

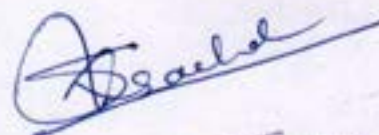
Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Orthopedics	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Classification and management of fractures and dislocations. Metabolic bone diseases	<ul style="list-style-type: none"> Explain the principles of recognition of bone injuries and dislocation. Recognize metabolic bone diseases as seen in this country. 	NMC
MS	MS Orthopedics	Fracture and dislocations	<ul style="list-style-type: none"> Enumerate, classify and describe the various bony/soft tissue injuries affecting the axial and appendicular skeletal system in adults and children. Apply all types of POP casts/slabs, splints and tractions as per need. 	NMC


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PhD	PhD Orthopedics	Research Methodology	<ul style="list-style-type: none"> • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. • Has developed the ability to critically evaluate current research and research techniques and methodologies 	MGUMST
UCC	UCC Orthopaedics plaster technology	Orthopaedic instruments	<ul style="list-style-type: none"> • Identify orthopaedic instruments and describe it's various applications 	MGUMST

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Paediatrics

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Paediatrics	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Neonatology Normal growth and development	<ul style="list-style-type: none"> Distinguish between normal newborn babies and those requiring special care and institute early care to all newborn babies including care of preterm and low birth weight babies. Describe the normal growth and development during foetal life, neonatal period, childhood and adolescence and outline deviations thereof. 	NMC
MD	MD Paediatrics Paper1	Principals of growth and development	<ul style="list-style-type: none"> Recognizes the health needs of infants, children and adolescents and carries out professional obligations in 	NMC


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PhD	Paper2 Paper3 Paper4	Emergency and critical care	keeping with principles of the National Health Policy and professional ethics <ul style="list-style-type: none"> • Manage childhood emergencies efficiently 	
	PhD Paediatrics	Research Methodology	<ul style="list-style-type: none"> • Have developed the ability to critically evaluate current research and research techniques and methodologies. • Be able to act autonomously in the planning and implementation of research; and have gained oral presentation and scientific writing skills. 	MGUMST

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Pathology

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Pathology	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		General Pathology Clinical Pathology	<ul style="list-style-type: none"> • Explain pathophysiological processes which governs maintenance of homeostasis and clinical manifestations associated with it. • Correlate normal and altered morphology (gross and microscopy) of different organ systems in common diseases to extent needed for understanding of diseases and their clinical significance. 	NMC


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MD	MD Pathology Paper1 Paper2 Paper3 Paper4	General Pathology Clinical Pathology	<ul style="list-style-type: none"> • Ability to understand pathogenesis of various disorders for implementation and becoming of a thorough pathologist • Highly competent in grossing, tissue processing and embedding 	NMC
P h D	PhD Pathology	Histopathology, Cytology and Haematology General Pathology	<ul style="list-style-type: none"> • Develop scientific approach towards histology, cytology and advance haematology, acquire educational proficiency in profession. • Able to apply rationale for day to day technical issues and learn to resolve by developing corrective steps. 	MGUMST
M Sc MLT	M Sc MLT Pathology Paper1 Paper2 Paper3	Histopathology, Cytology and Haematology General Pathology	<ul style="list-style-type: none"> • Develop scientific approach towards histology, cytology and advance haematology, acquire educational proficiency in profession. • Able to apply rationale for day to day technical issues and learn to resolve by developing corrective steps. 	MGMUST

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Obstetrics and Gynaecology

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Obstetrics and Gynaecology (OBG)	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Population dynamics and control of conception Fundamentals of reproduction	<ul style="list-style-type: none"> Understand the principles of contraception and various techniques employed, methods of medical termination of pregnancy, sterilization and their complications. Outline the anatomy, physiology and pathophysiology of the reproductive system and the common conditions affecting it. 	NMC


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UAPGCC	UAPGCC Clinical Embryology	Human Embyology	<p>understanding of modern methods of assisted reproductive technology (IVF, ICSI)</p> <ul style="list-style-type: none"> This course would equip the candidate to work competently in human ART services by providing them with the essential theoretical and practical knowledge in human embryology. In order to streamline the clinical practice related to ART, and to achieve maximum success, stress is also given to the guidelines, regulations and protocols. 	MGUMST
PhD	PhD Obstetrics and Gynaecology (OBG)	Research Methodology	<ul style="list-style-type: none"> Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. Have developed the ability to critically evaluate current research and research techniques and methodologies. 	MGUMST

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Ophthalmology

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Ophthalmology	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Community Ophthalmology	<ul style="list-style-type: none"> National programme of control of blindness and its implementation at various levels Eye care education for prevention of eyeproblems 	NMC
MS	MS Ophthalmology Paper I	Refraction	<ul style="list-style-type: none"> Acquire competence in assessment of refractive errors and prescription of glasses for all types of refraction 	NMC


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BSc	Paper2 Paper3 Paper4	Clinical Ophthalmology	<p>problems.</p> <ul style="list-style-type: none"> To competently handle and execute safely all routine surgical procedures on lens, glaucoma, lid, sac, adnexa, retina and muscle anomalies. 	
	BSc Ophthalmic Techniques and Optometry Paper1 Paper2 Paper3	Basic ophthalmic techniques	<ul style="list-style-type: none"> Perform medical and surgical procedural and technical skills essential to Ophthalmology 	MGUMST
	PhD Ophthalmology	Research Methodology	<ul style="list-style-type: none"> Has developed the ability to critically evaluate current research and research techniques and methodologies; have self-direction and originality in tackling and solving problems. Be able to act autonomously in the planning and implementation of research; and have gained oral presentation and scientific writing skills 	MGUMST

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Microbiology

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Microbiology	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		General Microbiology Clinical Microbiology	<ul style="list-style-type: none"> Identify the common infectious agents with the help of laboratory procedures and use antimicrobial sensitivity tests to select suitable antimicrobial agents. Plan and interpret laboratory investigations for the diagnosis of infectious diseases and to correlate the clinical manifestations with the etiological agent. 	NMC
MD	MD Microbiology Paper1 Paper2	Clinical Microbiology	<ul style="list-style-type: none"> Basic as well as advanced knowledge in various microscopes and microscopic techniques used in diagnostic 	NMC


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	Paper3 Paper4	General Microbiology	microbiology. <ul style="list-style-type: none"> • Applications of quality assurance, quality control in microbiology and accreditation of laboratories 	
PhD	PhD Microbiology	General Microbiology	<ul style="list-style-type: none"> • Master most of the competencies, pertaining to the speciality, that are required to be practiced at the secondary and the tertiary levels of the health care delivery system • Acquire a spirit of scientific inquiry and is oriented to the principles of research methodology and epidemiology. 	MGUMST
M Sc	M Sc Microbiology Paper1 Paper2 Paper3	General Microbiology	<ul style="list-style-type: none"> • Master most of the competencies, pertaining to the speciality, that are required to be practiced at the secondary and the tertiary levels of the health care delivery system • Acquire a spirit of scientific inquiry and is oriented to the principles of research methodology and epidemiology. 	MGUMST
M Sc MLT	M Sc MLT Microbiology Paper1 Paper2 Paper3	Clinical Microbiology	<ul style="list-style-type: none"> • Describe the principle and applications of various basic and advanced analytical techniques. 	MGMUST


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			<ul style="list-style-type: none">• Perform routine microscopic and clinical laboratory procedures within acceptable quality control parameters.	
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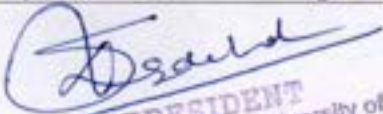
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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Oto Rhino-Laryngology


Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Oto Rhino-Laryngology	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Otologic symptoms and examination	<ul style="list-style-type: none"> Describe the basic pathophysiology of common ENT diseases and emergencies. Examine and diagnose common ENT problems including the pre-malignant and malignant disorders of the head and neck. 	NMC
		Otologic symptoms and examination	<ul style="list-style-type: none"> Examination of the ear, deafness and allied diseases, complications of diseases of the ear. Injuries, tumors, nervous and circulatory neurological disturbances of the ear. Should have observed/performed under supervision the various surgical 	NMC
MS	MS Oto Rhino-Laryngology Paper1 Paper2 Paper3 Paper4			


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PhD	PhD Oto Rhino- Laryngology		procedures in relation to the speciality.	
		Research Methodology	<ul style="list-style-type: none"> • Have a thorough knowledge of the literature and a comprehensive understanding of scientific methods and techniques applicable to their own research. • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. 	MGUMST

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Name of the Constituent College: Mahatma Gandhi Medical College and Hospital

Name of the Department: Forensic Medicine and Toxicology

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Forensic medicine and Toxicology	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		<ul style="list-style-type: none"> General forensic medicine Forensic toxicology Skills in forensic medicine 	<p>Identify the basic medico legal aspects of hospital and general practice</p> <p>Diagnose, manage and identify legal aspects of common acute and chronic poisoning.</p> <p>Managing common medico legal cases.</p>	NMC
		<ul style="list-style-type: none"> Medical ethics and law General principles of Forensic medicine 	<p>Undertake medico-legal responsibilities and discharge medico-legal duties in required settings.</p> <p>The competencies pertaining to the subject of Forensic Medicine that are required to be practiced at all levels of health system</p>	NMC
MD	MD Forensic medicine Paper1 Paper2 Paper3 Paper4			


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PhD	PhD Forensic Medicine	Research Methodology	<ul style="list-style-type: none">• Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field.• Have developed the ability to critically evaluate current research and research techniques and methodologies.	MGUMST
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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: General Medicine


Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	General Medicine	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Emergency Medicine Geriatric Medicine	<ul style="list-style-type: none"> Provide first level management of acute emergencies promptly and efficiently and decide the timing and level of referral, if required. Recognize geriatric disorders and their management. 	NMC
MD	MD Medicine Paper1 Paper2 Paper3 Paper4	Systemic Medicine	<ul style="list-style-type: none"> Recognize preventive and environmental issues, including principles of preventive health care, immunization and occupational, environmental medicine and bio-terrorism. 	NMC


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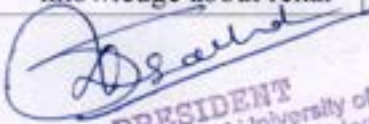
DM	DM Neurology Paper1 Paper2 Paper3 Paper4	Genetics	<ul style="list-style-type: none"> Overview of the paradigm of genetic contribution to health and disease, principles of Human Genetics, single gene and chromosomal disorders and gene therapy. 	NMC
		Clinical Neurology	<ul style="list-style-type: none"> Identify social, economic, environmental, biological and emotional determinants of health in a given case, and take them into account while planning therapeutic, rehabilitative, preventive, and promotive measures/strategies. Organise and supervise the Neurological Health Care services demonstrating adequate managerial skills in the clinic/hospital in the field situation. 	
DM	DM Gastroenterology Paper1 Paper2 Paper3 Paper4	Clinical Gastroenterology	<ul style="list-style-type: none"> Identify social, economic, environmental, biological and emotional determinants of adult gastroenterology diseases and know the therapeutic, rehabilitative, preventive and promotion measures to provide holistic care to all patients. Plan rehabilitation of adults suffering from chronic illness, and those with special needs. 	NMC
DM	DM Nephrology Paper1 Paper2 Paper3	Systemic Nephrology	<ul style="list-style-type: none"> Recognize and identify the various renal problems. 	NMC


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DM	Paper4 DM Cardiology Paper1 Paper2 Paper3 Paper4	Clinical Cardiology	<ul style="list-style-type: none"> Institute diagnostic, therapeutic, rehabilitative and preventive measures to provide holistic care to the patient. Plan and deliver comprehensive treatment for illness using principles of rational drug therapy. Plan and advice measures for the prevention of cardiovascular diseases. Manage cardiological emergencies efficiently. 	NMC
BSc	BSc Physician Assistance Technology Paper1 Paper2 Paper3	Clinical Sciences	<ul style="list-style-type: none"> Perform medical and surgical procedural and technical skills essential to Physician Assistant practice. 	MGUMST
BSc.	BSc Renal Sciences and Dialysis Technology Paper1 Paper2 Paper3	Basics in Renal Dialysis	<ul style="list-style-type: none"> Administer hemodialysis treatments to patients with renal failure under the supervision of a physician. 	MGUMST
PDCC	PDCC Clinical Cardiology Paper1 Paper2	Clinical Cardiology	<ul style="list-style-type: none"> To develop skill and knowledge so that proper care and 	


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PGCC	PGCC Cardiology Paper1 Paper2	Clinical cardiology	<p>treatment for cardiac patients can be given at every level of health care infrastructure.</p> <ul style="list-style-type: none"> • Create knowledgeable human power for setting policies, developing protocols and facilitating communication among primary care physician, patients and their families. 	MGUMST
PhD	PhD General Medicine	Research Methodology	<ul style="list-style-type: none"> • This course is designed to provide comprehensive theoretical and practical knowledge, required to care for cardiac patients at secondary level of health care. 	MGUMST
UDC	UDC Dialysis Technician Paper1 Paper2	Basics of dialysis	<ul style="list-style-type: none"> • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. • Have developed the ability to critically evaluate current research and research techniques and methodologies. 	MGUMST
			<ul style="list-style-type: none"> • Demonstrate pre-dialysis patient assessment and understand the knowledge about renal 	MGUMST


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UCC	UCC Echocardiography Technology Paper1 Paper2	Basics of echocardiography	<p>failure (ARF & CRF) and its management.</p> <ul style="list-style-type: none"> To practice independently on dialyzer extracorporeal blood circuit priming and setting up the machine for dialysis procedure. 	MGUMST
UCC	UCC Cath lab Technology Paper1 Paper2	Cath lab instrumentation Clinical cardiology	<ul style="list-style-type: none"> Develop knowledge of concerned diseases whereafter structure and function of heart is essential for instrument technician. Recognise basic principles of concerned instrumentation which are essential for operating the instruments. 	MGUMST

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Community Medicine

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Community Medicine	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		National Health Programs Environment and Health	<ul style="list-style-type: none"> • Learn various aspects of National policies on health and devote him/her to its practical implementation. • Able to identify community health problems and learn to work to resolve these by designing and instituting corrective steps and evaluating outcome of such measures. 	NMC


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MD	MD Community Medicine Paper1 Paper2 Paper3 Paper4	General Preventive Medicine Health Planning and Management	<ul style="list-style-type: none"> • Achieve competence in practice of holistic medicine, encompassing promotive, preventive, curative and rehabilitative aspects of common diseases. • Able to acquire basic management skills in the area of human resources, materials and resource management related to health care delivery. 	NMC
PhD	PhD Community Medicine	Research methodology	<ul style="list-style-type: none"> • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. • Be able to act autonomously in the planning and implementation of research; and have gained oral presentation and scientific writing skills 	MGUMST

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Dermatology, Venerology and Leprosy

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Dermatology, Venerology and Leprosy	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Common skin infections and infestation. Approach to patient with skin disease	<ul style="list-style-type: none"> Demonstrate sound knowledge of common diseases, their clinical manifestations, including emergent situations and of investigative procedures to confirm their diagnosis Manage common diseases recognizing the need for referral for specialized care, in case of inappropriateness of therapeutic response 	NMC


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MD	MD Dermatology, Venerology and Leprosy Paper1 Paper2 Paper3 Paper4	Clinical dermatology Common lab stains and procedures in dermatology	<ul style="list-style-type: none"> Describe etiology, pathophysiology, principles of diagnosis and management of common problems in dermatology including emergencies in adults and children. Demonstrate the knowledge of common laboratory stains and procedures used in the histopathologic diagnosis of skin diseases and special techniques such as immunofluorescence, immunoperoxidase and other related techniques. 	NMC
PhD	PhD Dermatology, Venerology and Leprosy	Research Methodology s	<ul style="list-style-type: none"> Have a thorough knowledge of the literature and a comprehensive understanding of scientific methods and techniques applicable to their own research. Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field 	MGUMST
PGCC	PGCC Dermatology & Venerology Paper1 Paper2	Clinical Dermatology	<ul style="list-style-type: none"> Practice the specialty of dermatology, in keeping with the principles of professional ethics. Identify, social, economic, environmental, biological & emotional determinates of patients, and institute diagnostic, therapeutic, rehabilitative, preventive and promotive measures to provide holistic care to patients. Recognize the importance of 	MGUMST


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			growth and development as the foundation of dermatology and cosmetology and help each patient realize his/her optimal potential in this regard.	
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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Surgery


Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Surgery	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		General Surgery	<ul style="list-style-type: none"> Diagnose common surgical conditions both acute and chronic, in adult and children. Treat open wounds including preventive measures against tetanus and gas gangrene. 	NMC
MD	MD Surgery Paper1 Paper2 Paper3 Paper4	Systemic Surgery	<ul style="list-style-type: none"> Diagnose and appropriately manage common surgical ailments in a given situation. Provide adequate preoperative, post-operative and follow-up care of surgical patients. 	NMC
MCh	MCh Plastic and Reconstructive Surgery Paper1	Principles, Techniques, and Basic Sciences	<ul style="list-style-type: none"> Identify social, economic, environmental, biological and emotional determinants of adult Plastic Surgery and know the therapeutic, rehabilitative, preventive, surgical and 	NMC


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	Paper2 Paper3 Paper4		<p>promotion measures to provide holistic care to all patients.</p> <ul style="list-style-type: none"> Plan and deliver comprehensive treatment for illness in adults using principles of rational drug therapy and principles of Plastic surgery. 	
MCh	MCh Urology Paper1 Paper2 Paper3 Paper4	Basics of urology surgery	<ul style="list-style-type: none"> Identify social, economic, environmental, biological and emotional determinants of adult Urology and know the therapeutic, rehabilitative, preventive, surgical and promotion measures to provide holistic care to all patients. 	NMC
MCh	MCh Neurosurgery Paper1 Paper2 Paper3 Paper4	Principles of neurosurgery	<ul style="list-style-type: none"> Able to identify indications and has acquired performance skills of common neurosurgical operations. Able to diagnose, plan investigations and treat common conditions in the speciality by relevant current therapeutic methods. 	NMC
MCh	MCh Cardiovascular and Thoracic Surgery Paper1 Paper2 Paper3 Paper4	Fundamentals of cardiovascular and thoracic surgery	<ul style="list-style-type: none"> Identify social, economic, environmental, biological and emotional determinants of adult Cardiothoracic disorders and know the therapeutic, rehabilitative, preventive and promotion measures to provide holistic care to all patients. 	NMC


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BSc	BSc Surgical Assistance Paper1 Paper2 Paper3	Clinical Sciences	<ul style="list-style-type: none"> • Understand the role of preventive surgery in healthcare including screening recommendations. • Counsel and educate patients and their families while demonstrating compassion and respectful behaviors. 	MGUMST
PhD	PhD General Surgery	Research Methodology	<ul style="list-style-type: none"> • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. • Have a thorough knowledge of the literature and a comprehensive understanding of scientific methods and techniques applicable to their own research. 	MGUMST
PhD	PhD Neuro Surgery	Research Methodology	<ul style="list-style-type: none"> • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. • Have a thorough knowledge of the literature and a comprehensive understanding of scientific methods and techniques applicable to their own research. 	MGUMST


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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Anatomy

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Anatomy	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		<p>Histology</p> <ul style="list-style-type: none"> Identify the microscopic structure and correlate elementary ultra-structure of various organs and tissues and correlate the structure with the functions as prerequisite for understanding the altered state in various disease processes. <p>Embryology</p> <ul style="list-style-type: none"> Demonstrate knowledge of the basic principles and sequential development of the organs and system, recognize the critical stages of development and the effects of common teratogens, genetic mutations and environmental hazards. 	<ul style="list-style-type: none"> NMC 	
MD	MD Anatomy Paper1	General Anatomy	<ul style="list-style-type: none"> Demonstrate the ability to correlate the clinical conditions to the anatomical/ embryological/hereditary 	NMC


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PhD	Paper2 Paper3 Paper4	Histology	<p>factors.</p> <ul style="list-style-type: none"> Describe the microscopic structure of various tissues & organs and correlate structure with functions as a prerequisite for understanding the altered state in various disease processes. 	
	PhD Anatomy	<p>General Anatomy</p> <p>Gross Anatomy</p>	<ul style="list-style-type: none"> Describe gross anatomy of entire body including upper limb, lower limb, thorax, abdomen, pelvis, perineum, head and neck, brain and spinal cord. Explain the normal disposition of gross structure, and their interrelationship in the human body. She/He should be able to analyze the integrated functions of organs systems and locate the site of gross lesions according to deficits encountered. 	MGMUST
M Sc	M Sc Anatomy Paper1 Paper2 Paper3	<p>General Anatomy</p> <p>Gross Anatomy</p>	<ul style="list-style-type: none"> Describe gross anatomy of entire body including upper limb, lower limb, thorax, abdomen, pelvis, perineum, head and neck, brain and spinal cord. Explain the normal disposition of gross structure, and their interrelationship in the human body. She/He should be able to analyze the integrated functions of organs systems and locate the site of gross lesions according to deficits encountered. 	MGMUST

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Biochemistry

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Biochemistry	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		General Chemistry and metabolism Clinical Biochemistry	<ul style="list-style-type: none"> Describe the principles and fundamental concepts of biochemistry and have an awareness of how molecules, pathways, cells and organs interact in a controlled fashion at cellular and molecular level to maintain Homeostasis. Knowledge of key applications of biochemistry which are relevant to biomedical/pharmaceutical sciences, pharmacy and laboratory medicine. 	NMC


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MD	MD Biochemistry Paper1 Paper2 Paper3 Paper4	General Chemistry and Metabolism Clinical Biochemistry	<ul style="list-style-type: none"> • Explain clearly concepts and principles of biochemistry and cell biology, including correlations of these with cellular and molecular processes involved in health and disease. • Demonstrate skills for clinical diagnosis, testing, understanding of biochemical conditions and diagnostic service. 	NMC
PhD	PhD Biochemistry	Clinical Biochemistry Molecular Biology and Immunology	<ul style="list-style-type: none"> • Able to select, justify, and interpret the results of clinical tests in biochemistry. • Develop differential diagnoses for molecular and metabolic causes of diseases. 	MGUMST
M Sc	M Sc (Medicine) Biochemistry Paper1 Paper2 Paper3	Clinical Biochemistry Molecular Biology and Immunology	<ul style="list-style-type: none"> • Able to select, justify, and interpret the results of clinical tests in biochemistry. • Develop differential diagnoses for 	MGMUST


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M Sc	M Sc MLT Paper1 Paper2 Paper3	Clinical Biochemistry	<p>molecular and metabolic causes of diseases.</p> <ul style="list-style-type: none"> Describe the principle and applications of various basic and advanced analytical techniques. Perform routine clinical laboratory procedures within acceptable quality control parameters. 	MGMUST
B Sc	B Sc MLT Paper1 Paper2 Paper3	Clinical Biochemistry	<ul style="list-style-type: none"> Perform basic biochemical investigations. Perform collection of specimen and processing as per defined SOPs and universal lab practices. 	MGMUST

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Clinical Dietetics

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
BSc	BSc Clinical Dietetics Paper1 Paper2 Paper3	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Fundamentals of diet and nutrition	<ul style="list-style-type: none"> • Able to learn different aspects of nutrition applicable to daily living & how we can provide quality of life by preventing & curing diseases. • Able to identify clinical needs of patients & design diet regime for them. 	MGUMST

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Name of the Constituent College: Mahatma Gandhi Physiotherapy College

Name of the Department: Physiotherapy

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
BPT	<ul style="list-style-type: none"> • Electrotherapy • Exercise therapy • Biomechanics and kinesiology • Orthopaedic conditions • Neurology and neurosurgical conditions • Medical and surgical conditions • Rehabilitation • Exercise and sports 	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Basics of Physiotherapy	<ul style="list-style-type: none"> • Graduates will adopt of physical therapy services using theoretical and practical knowledge with consideration for patients in clinical judgment. • Identify, Define and Deal with problems of professional practice through logical, analytical and critical thinking. • Communicate effectively across wide range of professional and personal contexts. • Recognise the need for 	MGUMST


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MPT			and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	
	MPT Orthopaedics Paper1 Paper2 Paper3 Paper4	Basics of physiotherapy in orthopaedics	<ul style="list-style-type: none"> Identify, discuss & analyze, the Musculoskeletal Dysfunction in terms of Biomechanical, Kinesiology & Biophysical basis & correlate the same with the provisional diagnosis, routine radiological & Electrophysiological investigations & arrive at appropriate Functional diagnosis with clinical reasoning. 	MGUMST
	MPT Neurology Paper1 Paper2 Paper3 Paper4	Neurophysiotherapy	<ul style="list-style-type: none"> Understand the conservative & surgical management of the Neurological conditions relevant to Neuro physiotherapy. 	
	MPT Sports Paper1 Paper2 Paper3 Paper4	Basics of sports physiotherapy	<ul style="list-style-type: none"> Learn concepts of sports training and physiotherapy for prevention and rehabilitation. 	
MPT Cardiology Paper1 Paper2 Paper3	Basics of Physiotherapy in cardiac conditions	<ul style="list-style-type: none"> Analyse and apply appropriate evidence based chest physical therapy techniques to patients suffering from 		


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	Paper4		various cardiorespiratory and vascular disorders.	
PhD	PhD Physiotherapy	Research Methodology	<ul style="list-style-type: none"> • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. • Have developed the ability to critically evaluate current research and research techniques and methodologies. 	MGUMST

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Anaesthesia

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Anaesthesia	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Introduction and scope of anaesthesiology	<ul style="list-style-type: none"> Maintain anesthetic records Perform pre-anesthetic checkup and prescribe pre-anesthetic medications 	NMC
		Basic perioperative anaesthesia management	<ul style="list-style-type: none"> Demonstrate knowledge of importance of pre-anaesthetic assessment and optimization of a patient as applied to the care of the patients in planning and conduct of general anaesthesia. Identify emergencies and postoperative complications. Special precautions to be taken in specific surgical patients. 	NMC
MD	MD Anaesthesia Paper1 Paper2 Paper3 Paper4	Clinical anaesthesia		
BSc	BSc Operation Theatre Technology	Peri-operative management and assisting surgical procedures	<ul style="list-style-type: none"> Understanding peri-operative patient care and material management, Operation Theater management and 	MGUMST

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PhD	Paper1 Paper2 Paper3 Paper4 PhD Anaesthesia	Research Methodology	<ul style="list-style-type: none"> recording. To assist in Critical care Procedures. Have a thorough knowledge of the literature and a comprehensive understanding of scientific methods and techniques applicable to their own research. Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. 	MGUMST
PDCC	PDCC Cardiac Anaesthesia Paper1 Paper2	Clinical science	<ul style="list-style-type: none"> Conducting safe and successful cardiothoracic procedures independently following standard protocols and international guidelines. 	MGUMST
UDC	UDC Anaesthesia Technician Paper1 Paper2	Clinical science	<ul style="list-style-type: none"> Managing patient care procedures during anaesthesia. Understanding monitoring needs, preventing and detecting complications using technologically advanced monitors & instruments. 	MGUMST


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Name of the Constituent College: Mahatma Gandhi Occupational therapy College

Name of the Department: Occupational Therapy

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
BOT	Fundamentals of occupational therapy Ergotherapeutics Sociology and Psychology Biomechanics and Kinesiology Community medicine Pathology Microbiology Pharmacology Anatomy Physiology Biochemistry Orthopaedics Gen medicine	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Occupational Therapy	<ul style="list-style-type: none"> • Graduates will adopt of occupational therapy services using theoretical and practical knowledge with consideration for patients in clinical judgment. • Identify, Define and Deal with problems of professional practice through logical, analytical and critical thinking. • Communicate effectively across wide range of professional and personal contexts. • Recognise the need for and have the preparation and ability to engage in 	MGUMST


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MOT	Paediatrics Psychiatry Rehabilitation medicine Surgery Obs-Gynae		independent and life-long learning in the broadest context of technological change.	
	MOT Neurosciences Paper1 Paper2 Paper3 Paper4	Basics of neuroscience in occupational therapy	Providing the honest, competent and accountable Occupational Therapy services to the community.	MGUMST
	MOT Paediatrics Paper1 Paper2 Paper3 Paper4	Basics of paediatrics in occupational therapy	Providing the honest, competent and accountable Occupational Therapy services to the community.	
	MOT Orthopaedics Paper1 Paper2 Paper3 Paper4	Basics of orthopaedics in occupational therapy	Providing the honest, competent and accountable Occupational Therapy services to the community.	


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PhD	PhD Occupational Therapy	Research Methodology	<ul style="list-style-type: none"> • Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field. • Have developed the ability to critically evaluate current research and research techniques and methodologies 	MGUMST

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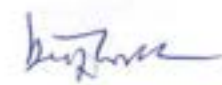
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Name of the Constituent College: Mahatma Gandhi Medical College and Hospital

Name of the Department: Forensic Medicine

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Forensic medicine	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		<ul style="list-style-type: none"> General forensic medicine Forensic toxicology Skills in forensic medicine 	<p>Identify the basic medico legal aspects of hospital and general practice</p> <p>Diagnose, manage and identify legal aspects of common acute and chronic poisoning.</p> <p>Managing common medico legal cases.</p>	NMC
MD	MD Forensic medicine Paper1 Paper2 Paper3 Paper4	<ul style="list-style-type: none"> Medical ethics and law General principles of Forensic medicine 	<p>Undertake medico-legal responsibilities and discharge medico-legal duties in required settings.</p> <p>The competencies pertaining to the subject of Forensic Medicine that are required to be practiced at all levels of health system</p>	NMC


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Head of Department
Department of Forensic Medicine
M. G. Medical College
Sitapura, JAIPUR

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Prof. Dr.

Head , Department of

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Head of Department

Department of Forensic Medicine

M. G. Medical College

Sitapura, JAIPUR

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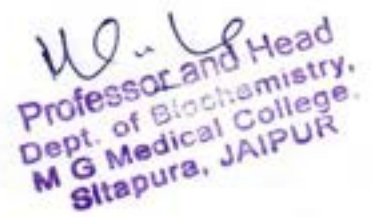
Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Biochemistry

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Biochemistry	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		General Chemistry and metabolism Clinical Biochemistry	<ul style="list-style-type: none"> Describe the principles and fundamental concepts of biochemistry and have an awareness of how molecules, pathways, cells and organs interact in a controlled fashion at cellular and molecular level to maintain Homeostasis. Knowledge of key applications of biochemistry which are relevant to biomedical/pharmaceutical sciences, pharmacy and laboratory medicine. 	NMC



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Professor and Head
Dept. of Biochemistry,
M G Medical College,
Sitapura, JAIPUR

MD	MD Biochemistry Paper1 Paper2 Paper3 Paper4	General Chemistry and Metabolism Clinical Biochemistry	<ul style="list-style-type: none"> • Explain clearly concepts and principles of biochemistry and cell biology, including correlations of these with cellular and molecular processes involved in health and disease. • Demonstrate skills for clinical diagnosis, testing, understanding of biochemical conditions and diagnostic service. 	NMC
PhD	PhD Biochemistry	Clinical Biochemistry Molecular Biology and Immunology	<ul style="list-style-type: none"> • Able to select, justify, and interpret the results of clinical tests in biochemistry. • Develop differential diagnoses for molecular and metabolic causes of diseases. 	MGMUST
M Sc	M Sc (Medicine) Biochemistry Paper1 Paper2 Paper3	Clinical Biochemistry Molecular Biology and Immunology	<ul style="list-style-type: none"> • Able to select, justify, and interpret the results of clinical tests in biochemistry. • Develop differential diagnoses for 	MGMUST

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[Handwritten Signature]
Professor and Head
Dept. of Biochemistry,
M G Medical College,
Sitapura, JAIPUR

M Sc	M Sc MLT Paper1 Paper2 Paper3	Clinical Biochemistry	<p>molecular and metabolic causes of diseases.</p> <ul style="list-style-type: none"> Describe the principle and applications of various basic and advanced analytical techniques. Perform routine clinical laboratory procedures within acceptable quality control parameters. 	MGMUST
B Sc	B Sc MLT Paper1 Paper2 Paper3	Clinical Biochemistry	<ul style="list-style-type: none"> Perform basic biochemical investigations. Perform collection of specimen and processing as per defined SOPs and universal lab practices. 	MGMUST

U. L. L.
Prof. Dr. Maheep Singh...

Head, Department of Biochemistry
MGMCH
Professor and
Dept. of Biochemistry
M G Medical College,
Sitapura, JAIPUR

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Community Medicine

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Community Medicine	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		National Health Programs Environment and Health	<ul style="list-style-type: none"> Learn various aspects of National policies on health and devote him/her to its practical implementation. Able to identify community health problems and learn to work to resolve these by designing and instituting corrective steps and evaluating outcome of such measures. 	NMC


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MD	MD Community Medicine Paper1 Paper2 Paper3 Paper4	General Preventive Medicine Health Planning and Management	<ul style="list-style-type: none"> • Achieve competence in practice of holistic medicine, encompassing promotive, preventive, curative and rehabilitative aspects of common diseases. • Able to acquire basic management skills in the area of human resources, materials and resource management related to health care delivery. 	NMC

Prof. Dr.  **SHARMA**
PROFESSOR & HEAD
 DEPT. OF COMMUNITY MEDICINE
 MAHATMA GANDHI MEDICAL COLLEGE
 Head, Department of JAIPUR (RAJASTHAN)


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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Anatomy

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Anatomy	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Histology	<ul style="list-style-type: none"> Identify the microscopic structure and correlate elementary ultra-structure of various organs and tissues and correlate the structure with the functions as prerequisite for understanding the altered state in various disease processes. 	NMC
		Embryology	<ul style="list-style-type: none"> Demonstrate knowledge of the basic principles and sequential development of the organs and system, recognize the critical stages of development and the effects of common teratogens, genetic mutations and environmental hazards. 	
MD	MD Anatomy Paper1	Clinical Anatomy	<ul style="list-style-type: none"> Demonstrate the ability to correlate the clinical conditions to the anatomical/ embryological/hereditary 	NMC


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	Paper2 Paper3 Paper4	Histology	<p>factors.</p> <ul style="list-style-type: none"> Describe the microscopic structure of various tissues & organs and correlate structure with functions as a prerequisite for understanding the altered state in various disease processes. 	
PhD	PhD Anatomy	Gross Anatomy	<ul style="list-style-type: none"> Describe gross anatomy of entire body including upper limb, lower limb, thorax, abdomen, pelvis, perineum, head and neck, brain and spinal cord. Explain the normal disposition of gross structure, and their interrelationship in the human body. She/He should be able to analyze the integrated functions of organs systems and locate the site of gross lesions according to deficits encountered. 	MGMUST
M Sc	M Sc Anatomy Paper1 Paper2 Paper3	Gross Anatomy	<ul style="list-style-type: none"> Describe gross anatomy of entire body including upper limb, lower limb, thorax, abdomen, pelvis, perineum, head and neck, brain and spinal cord. Explain the normal disposition of gross structure, and their interrelationship in the human body. She/He should be able to analyze the integrated functions of organs systems and locate the site of gross lesions according to deficits encountered. 	MGMUST

Associate Prof. Dr. ^{Prabjit} Prabjit ^{Kaur} Kaur



Head, Department of

PROFESSOR & HEAD
Department Of Anatomy
Mahatma Gandhi Medical
College & Hospital
Sitapura, Jaipur-302022



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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Microbiology

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Microbiology	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		General Microbiology Clinical Microbiology	<ul style="list-style-type: none"> Identify the common infectious agents with the help of laboratory procedures and use antimicrobial sensitivity tests to select suitable antimicrobial agents. Plan and interpret laboratory investigations for the diagnosis of infectious diseases and to correlate the clinical manifestations with the etiological agent. 	NMC
MD	MD Microbiology Paper1 Paper2	Clinical Microbiology	<ul style="list-style-type: none"> Application of microbiology in a variety of clinical settings to solve 	NMC



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	Paper3 Paper4		<p>diagnostic and therapeutic problems along with preventive measures.</p> <ul style="list-style-type: none"> • Pivotal role in hospital infection control, including formulation of antibiotic policy and management of biomedical waste 	
PhD	PhD Microbiology	General Microbiology	<ul style="list-style-type: none"> • Master most of the competencies, pertaining to the speciality, that are required to be practiced at the secondary and the tertiary levels of the health care delivery system • Acquire a spirit of scientific inquiry and is oriented to the principles of research methodology and epidemiology. 	MGUMST
M Sc	M Sc Microbiology Paper1 Paper2 Paper3	Clinical Microbiology	<ul style="list-style-type: none"> • Application of microbiology in a variety of clinical settings to solve diagnostic and therapeutic problems along with preventive measures. • Pivotal role in hospital infection control, including formulation of antibiotic policy and management of biomedical waste 	MGUMST
M Sc MLT	M Sc MLT Microbiology	Clinical Microbiology	<ul style="list-style-type: none"> • Describe the principle and applications of various 	MGMUST


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	Paper1 Paper2 Paper3		basic and advanced analytical techniques. <ul style="list-style-type: none"> • Perform routine microscopic and clinical laboratory procedures within acceptable quality control parameters. 	
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Ved Prakash

Prof. Dr. **VED PRAKASH MAMORIA**

Dr. Ved Prakash Mamoria

Professor & Head

Department of Microbiology

Head, Department of **Microbiology** Hospital

JAIPUR

Dr. Sachin

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Pathology

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
		Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
MBBS	Pathology	General Pathology	<ul style="list-style-type: none"> • Explain pathophysiological processes which governs maintenance of homeostasis and clinical manifestations associated with it. • Correlate normal and altered morphology (gross and microscopy) of different organ systems in common diseases to extent needed for understanding of diseases and their clinical significance. 	NMC
		Clinical Pathology		



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MD	MD Pathology Paper1 Paper2 Paper3 Paper4	General Pathology Clinical Pathology	<ul style="list-style-type: none"> Ability to understand pathogenesis of various disorders for implementation and becoming of a thorough pathologist Highly competent in grossing, tissue processing and embedding 	NMC
P h D	PhD Pathology	Histopathology, Cytology and Haematology General Pathology	<ul style="list-style-type: none"> Develop scientific approach towards histology, cytology and advance haematology, acquire educational proficiency in profession. Able to apply rationale for day to day technical issues and learn to resolve by developing corrective steps. 	MGUMST
M Sc MLT	M Sc MLT Pathology Paper1 Paper2 Paper3	Histopathology, Cytology and Haematology General Pathology	<ul style="list-style-type: none"> Develop scientific approach towards histology, cytology and advance haematology, acquire educational proficiency in profession. Able to apply rationale for day to day technical issues and learn to resolve by developing corrective steps. 	MGMUST

Prof. Dr. Manju Raghava.....

Dr. MANJU RAGHAVA, MD
PROFESSOR & HEAD
Head, DEPARTMENT OF PATHOLOGY
RMC No. - 16937
Mahatma Gandhi Medical College & Hospital
Sitapura, Jaipur

Sachdev
PRESIDENT
Mahatma Gandhi University of
Medical Sciences & Technology
Sitapura, JAIPUR-302022

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Name of the Constituent College: Mahatma Gandhi Medical College

Name of the Department: Pharmacology

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Referer to regulat bodie manue
		Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write th name o agency and relevan details
MBBS	Pharmacology	<ul style="list-style-type: none"> • Clinical pharmacology • Experimental pharmacology 	<ul style="list-style-type: none"> • Integrate the concept of rational drug therapy in clinical pharmacology • Familiar with basic, clinical and translational research as it applies to the care of the patient. 	NMC
MD	MD Pharmacology Paper1 Paper2 Paper3 Paper4	<ul style="list-style-type: none"> • Clinical pharmacology • Experimental pharmacology 	<ul style="list-style-type: none"> • Effectively explain to patients, the effects and side effects of drugs, including the need for medication adherence. • Able to carry out a research project (both basic and clinical) from planning to publication. 	NMC


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M Sc	M Sc Pharmacology Paper1 Paper2 Paper3	General Pharmacology Systemic Pharmacology and mechanism of drug action.	a. Apply and integrate knowledge of pathophysiology of diseases and its modulation by drugs. b. Rational use of drugs and prescription auditing.	MGMU
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Prof. Dr. Dr. Shy

Head, Department of Pharmacology

Professor & Head
Department of Pharmacology
Mahatma Gandhi Medical College
& Hospital, Sitapura, Jaipur-302022

Dr. Sachel

PRESIDENT
Mahatma Gandhi University of
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Name of the Constituent College: MGMCH

Dept. of Physiology

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies
MBBS	Physiology	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of regulatory body and relevant points
			The course content specific taught is	
			Immunity - National Immunization Schedule	
			Reproductive Physiology → National control of population	

Prof. Dr. Aparna Garg
Professor and Head of Dept.
Department of Physiology
M.G.M.C. & T.

Head, Dept. of Physiology,
Sitapura, Jaipur

D. Sachal

PRESIDENT
Mahatma Gandhi University of
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Sitapura, JAIPUR-302022

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Name of the Constituent College: MAHATMA GANDHI MEDICAL COLLEGE

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
M.B;B.S		Specific Course Content in the Course FM 1-11 Birth & Death Certificates Cause of death. Certificate	Describe how certain content is relevant to local, national regional and global health care need Demographic trends	Write the name of agency and relevant details
		FM. 2 Medical legal autopsies & Pathological autopsies.	Demographic trends. & Cause of Deaths.	

Prof. Dr. B.M. Gupta

Krishna
Head, Department of 26/3/21

Dr. Sachin
PRESIDENT
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Name of the Constituent College:

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
		Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
M.B.B.S.	Pathology	Laboratory Medicine	EVIDENCE BASED MEDICINE	NMC.
M.D.				NABL.

Prof. Dr. Manju Raghava

Head, Department of Pathology

Dr. MANJU RAGHAVA, MD
PROFESSOR & HEAD
DEPARTMENT OF PATHOLOGY
RMC No. - 16937
Mahatma Gandhi Medical College & Hospital
Sitapura, Jaipur

(Signature)
Mahatma Gandhi University of
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Name of the Constituent College: Mahatma Gandhi Medical College and Hospital, Jaipur

Department of Anatomy

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
Anatomy		Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
PhD Anatomy (Medical)	PhD Anatomy (Medical)	Submission of Thesis on research project	To be able to design and conduct independent research projects using advanced methodologies	UGC.
MD Anatomy	MD Anatomy	Submission of Thesis on research project.	influencing health outcomes	NMC
MSc Anatomy (Medical)	(C)	Submission of Thesis on research project.	— Same	(National Medical Council)
			— Same	UGC

MD. Anatomy - Embalming Procedure - Preservation and transportation of dead bodies (Paper-I) - NMC.

Prof. Dr.

Head, Department of


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Name of the Constituent College:

Name of the Program	Course title	Specific Content	Relevance to the local, national, regional and global health care needs	Reference to regulatory bodies manuals
MBBS	Community Medicine	Specific Course Content in the Course	Describe how certain content is relevant to local, national regional and global health care need	Write the name of agency and relevant details
		Concept of health	Appreciate the role of individual, family & community in health and disease	NMC
		Environment and health	Identify environmental and occupational hazards and their control	NMC
		Nutrition	Diagnose and manage common nutritional problems at individual and community level.	NMC

Prof. Dr. 

Dr. B. N. SHARMA
PROFESSOR & HEAD
DEPT. OF COMMUNITY MEDICINE
MAHATMA GANDHI MEDICAL COLLEGE
SITAPURA, JAIPUR (RAJASTHAN)


PRESIDENT
Mahatma Gandhi University of
Medical Sciences & Technology
Sitapura, JAIPUR-302022