



ರಾಜೀವ್ ಗಾಂಧಿ ಆರೋಗ್ಯ ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯ,
ಜಯನಗರ, ಬೆಂಗಳೂರು
Rajiv Gandhi University of Health Sciences, Karnataka
4th 'T' Block, Jayanagar, Bangalore - 560041

Ref No: RGUHSB/DCD/GEN/40/2024-CDC

Date: 20-12-2024

Circular

Subject: Clarification regarding paper wise distribution of syllabus of MD/MS courses in the upcoming exam examination- Regarding

Ref:

1. PGMER 2023 released by national medical commission on 29.12.2023.
2. Letter from NMC to the registrar, No: P050(20)/3/2024-PGMEB-NMC/038306 Dated: 28.11.2024
3. Erstwhile MCI-PGMR-2000 Regulations
4. 191st SPL. Syndicate Meeting proceeding Date: 22.11.2024 Subject No.3(1).

With reference to the above subject, PGMER 2023 is released on 29.12.2023, by the National Medical Commission. Wherein under its clause 8.3 A (a), it states that, the theory examination for summative examination shall be of four theory papers; the first and fourth paper shall be on basic medical science, and recent advances, respectively.

There has been a numerous queries regarding the distribution of the syllabus paper wise in each of the MD/MS course. Though the strict division of the syllabus, as a matter of fact, in the post-graduation course of Medicine, is not commonsensical according to the expert faculties, the university is hereby providing the following clarification on the said subject.

"The paper wise division of each MD /MS subject syllabus will be as per the previous year's only. As per the MCI -PGMR-2000, one paper shall be on the Basic Sciences and another Paper shall be on the Recent Advances. But RGUHS has delineated this MCI-2000 Regulations clearly and included basic Sciences and Recent advances in the Question Papers, which is similar to the PGMER-2023 regulations.

The paper-wise division of the syllabus for all MD/MS subjects will remain the same as per the previous year's structure. In addition, Paper I of each subject will include questions on basic medical sciences and Paper IV of each subject will include questions on recent advances.

Additionally, an excerpt from the ordinances of the University outlining the paper-wise distribution of the syllabus is attached as an annexure for reference.

Issued with the approval of the Hon'ble Vice Chancellor

Copy To: -

1. P.S. to Hon'ble Vice Chancellor
2. Head of the Medical Institutions, to bring it to the Notice of all the students who are appearing for the Examination / Notice Boards of the Institutions/ Notice boards of the Hostels
3. P.A. to Registrar, RGUHS
4. P.A. to Finance Officer
5. System Analysts to host this circular in the home page of the RGUHS website under the recent news / Scroll
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Director DCD
Director, Dept. of Curriculum Development
Rajiv Gandhi University of Health Sciences, Karnataka

ANATOMY


PAPER I	Gross anatomy and applied anatomy along with Basics sciences of Anatomy
PAPER II	Embryology, genetics, and clinically oriented embryology
PAPER III	Microscopic anatomy, Principles of Microscopy, Organ donation, preservation of human body
PAPER IV	Neuroanatomy, radiological anatomy, cross sectional anatomy, recent advances in anatomical sciences

MD Biochemistry

Paper- I	Biomolecules, cell biology, Analytical techniques and instrumentation in Biochemistry, Biostatistics and research methodology, basics of medical education in teaching and assessment of Biochemistry along with basics sciences of Biochemistry
Paper- II	Enzymes, bioenergetics, biological oxidation, Metabolism of carbohydrates, Lipids, Proteins, Nucleotides and Heme and its associated disorders, intermediary metabolism and regulation, Metabolism of xenobiotics, Free radicals and antioxidant
Paper- III	Molecular biology, molecular and genetic aspects of cancer, immunology, Nutrition in health and disease, Vitamins, Minerals Environmental Biochemistry- Toxic elements & effects of environmental pollutants on the body, health and population
Paper- IV	Basic principles and practice of clinical biochemistry along with Total quality management and Quality Control, Clinical correlates and analytical procedures including diagnostic assessment of body systems and organ functions, endocrinology and recent advances in Biochemistry, Biomedical waste management Biochemistry

MD PHYSIOLOGY

PAPER 1	Basics of Physiology, General & cellular physiology including genetic basis and historical perspectives
PAPER II	Systemic Physiology (system providing transport, nutrition and energy) Including comparative physiology
PAPER III	Systemic Physiology (system concerned with procreation, regulation and neural control)
PAPER IV	Applied physiology including recent advances


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MD PHARMACOLOGY

Paper I	Basics and General Pharmacology, including Bio statistics. Toxicology, and Use of drugs in special age groups, pregnancy and disease conditions.
Paper II	Systemic Pharmacology-I: (Autonomic Nervous, Central Nervous. Cardio vascular, Respiratory, Gastro intestinal Systems, Diuretics, and Blood.)
Paper III	Systemic Pharmacology - II: (Hormones, Uterus. Antimicrobial agents, Chemotherapy Anticancer drugs and Immunopharmacology).
Part IV	Clinical Pharmacology and Development of New drugs, Screening Methods along with recent advances

MD FORENSIC MEDICINE

Paper I	Basic medical science in relation to forensic medicine.
Paper II	Clinical forensic medicine, forensic pathology, forensic radiology and related sections of ipc, cr.p.c. indian evidence act.
Paper III	Forensic toxicology, forensic psychiatry & medical jurisprudence.
Paper IV	Basic forensic science & recent advances in forensic medicine

MD PATHOLOGY

Paper I	Basics & General Pathology including environmental pathology	100 Marks
Paper II	Haematology/Clinical Pathology/Cytology Transfusion Medicine and Immunohematology	100 Marks
Paper III	Systemic Pathology Cardio vascular system, Respiratory system, Gastro intestinal System including liver & Biliary tract, Pancreas, Renal system Male and female genital system and Breast.	100 Marks
Paper IV	Systemic Pathology Central and Peripheral nervous, endocrine system, musculo-skeletal system, Reticulo-endothelial System (Lymph nodes, Spleen and Thymus), Dermatopathology and Ophthalmic pathology, Bone, Joints and soft tissues & recent advances in the pathology	100 Marks

MD MICROBIOLOGY

Paper I	Basics & General Microbiology and Immunology
Paper II	Systematic Bacteriology
Paper III	Mycology and Virology
Paper IV	Parasitology and Recent advances in Microbiology

1. MD Community Medicine

Paper I	<ul style="list-style-type: none">• Basics of Community Medicine• History of Public Health, Concepts in Public Health• Role of Social Sciences in health
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	<ul style="list-style-type: none"> • Information, Education, Communication and Counseling • Medical Entomology, and Zoonotic diseases • Environmental health and Ecology • Epidemiology • Biostatistics and Research methodology
Paper II	<ul style="list-style-type: none"> • Principles of Nutrition and Applied Nutrition. • Communicable diseases and non-communicable diseases. • Occupational health • National Health Programmes • Disaster management and Public Health emergencies
Paper III	<ul style="list-style-type: none"> • Maternal health and Child health Care. • Demography and Family welfare. • Social Pediatrics • School health, and Health Care of the Aged. • Health Care of challenged, Community Based Rehabilitation • Reaching health care for the unreached. • Community Mental Health. • Genetics and Health
Paper IV	<ul style="list-style-type: none"> • Health Care systems in India. • Primary Health Care • Health legislation • International Health • Voluntary Sector in Health • City/Town planning and Health. • Health Care management. • Health information system. • Recent advances in the community Medicine

M. S. General Surgery

Out of the four papers, the 1st paper in clinical subjects will be on applied aspects of basic medical sciences.

Paper I: Basic Sciences -

1. Anatomy
2. Physiology
3. Other basic science topics covered in syllabus and as explained in detail in the ordinances

Paper II:
 Eye and orbit. Cleft lip and palate, developmental abnormalities of the face, palate, jaws and teeth. Maxillofacial injuries. Nose and sinuses. Ear. Oral and oropharyngeal cancer and precancer. Salivary gland disorders. Pharynx, larynx and neck. Thyroid gland and the thyroglossal tract. Parathyroid and Adrenal glands. Breast. Thorax. Heart and Pericardium

Paper III:
 Anastomoses, Oesophagus. Stomach and duodenum. Liver. Spleen. Gallbladder and bile ducts. Pancreas. Peritoneum, omentum, mesentery and retroperitoneal space. Small and large intestines. Intestinal obstruction. Vermiform appendix. Rectum. Anus and anal canal. Hernias, Umbilicus, Abdominal wall. Principles of Laparoscopic surgery.

Paper IV:

Orthopedics: Musculoskeletal disorders. Fracture and Dislocations - General, specific. Diseases of bones and joints - infection, tumours, generalised diseases and chronic joint diseases, congenital disorders. Wrist and hand. Foot.

Nervous system: Neurological disorders affecting the musculoskeletal system. Spine, vertebral column and spinal cord. Nerves. Cranium (Scalp, skull, brain).

Genito -Urinary System: Urinary symptoms, Investigation of the urinary tract, anuria. Kidneys and ureters. Urinary bladder. Prostate and seminal vesicles. Urethra and penis. Testis and scrotum.

Recent advances in the Field of General Surgery

M. D. General Medicine

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper - I:-Basic Sciences - Applied aspects of Anatomy, Physiology, Biochemistry, Pathology, Microbiology, Pharmacology; General Medical Topics, Genetics, Immunology, Fluid & Electrolyte balance, Blood transfusion, Shock and Multiorgan failure, Nutrition, Poisoning, Geriatrics Medicine, Pregnancy Medicine, Adolescent medicine, Toxicology, Pre anesthetic and post-operative medical problems, Emergency Medicine, Radiodiagnosis

Paper - II :- Infections diseases, HIV and AIDS, Cardiovascular diseases, Gastro Intestinal and Hepatobiliary system, Diseases and Disorders of Pancreas

Paper - III:- Respiratory Medicine, Central Nervous system, Rheumatology and Connective Tissue Disorders, Sexual Medicine, Metabolic Bone Disorders

Paper - IV:-Nephrology, Endocrinology and Metabolism, Hematology, Medical Oncology, Psychiatry, Dermatology, STD, Occupational Diseases, with recent advances in the field of General Medicine

M. S. Obstetrics & Gynaecology

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper I: Basic Science as applicable to Obstetrics and Gynecology

Paper II: Obstetrics and Gynecology

Paper III: Gynecology

Paper IV: Social Obstetrics, Family Welfare Planning Recent advances in the field of Obstetrics and Gynecology

M. D. Pediatrics

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper I : Fetal and newborn

Paper II : General Pediatrics I*, which includes General Paediatrics I includes: Respiratory, CNS, Hematology, Nutrition,

Growth and Development, Oncology, Endocrine, Metabolic, Allergy/Immunology, Psychiatry.

Paper III : General Paediatrics II, which Includes: Infection, Gastroenterology, Hepatology, Immunization, Renal, CVS, Surgical, Adolescent, Collagen Vascular, Miscellaneous.

Paper IV : Ambulatory (OPD) Pediatrics, Community and Social Pediatrics, Emergency and Critical Care Pediatrics and the recent advances in the field of Paediatrics

M.D. in Tuberculosis and Respiratory Medicine/ Pulmonary Medicine/Respiratory Medicine

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper I: Basic Sciences including Anatomy and Physiology pertaining to Respiratory System

Paper II: Non Tubercular Respiratory Infectious Diseases and General Medicine

Paper III: Tuberculosis - Pulmonary and extra pulmonary

Paper IV: Non infectious diseases of lung and the recent advances in the field of Tuberculosis and Respiratory Medicine/ Pulmonary Medicine/Respiratory Medicine

M. D. Anesthesiology

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper I : Basic Science as applicable to Anesthesia.

1. Anatomy.
2. Physiology.
3. Pharmacology.
4. Physics.
5. Biochemistry.
6. Patho Physiology.
7. History
8. Equipments.

Paper II :- Clinical Practice of Anaesthesia.

1. Cardio Vascular System.
2. Respiratory System.
3. Neuro Surgery.
4. Obstetrics & Gynaecology
5. Orthopaedics.
6. Ophthalmology.

Paper III:- Clinical Practice of Anaesthesia.

1. Paediatrics.
2. Renal & Hepatic system.
3. Endocrines.
4. Haemopoetics.

5. Geriatrics
6. E.N.T.
7. Out Patient Anesthesia & Dental Anaesthesia.
8. Nerve Blocks.

Paper IV:- Applied Medicine in Relation to Anesthesia. Theoretical Aspects of pain and pain relief including postoperative & Cancer Pain; Recent advances in the field of Anesthesia

M. D. Dermatology, Venereology and Leprosy

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper I:- Basic Sciences as applied to Dermatology, STD., and Leprosy

Paper II:- Dermatology

Paper III:- S.T.D. & Leprosy

Paper IV:- Dermatology in relation to Other Systemic Diseases and recent advances in the field of dermatology

M. S. Ophthalmology

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper I :- Basic Sciences

- Anatomy of the eye & orbit
- Ocular physiology
- Ophthalmic pathology
- Microbiology & Immunology
- Biochemistry relevant to ophthalmology
- Ocular Pharmacology
- Geometric and ophthalmic optics

Paper II :-

- Disorders of Refraction
- Concomitant Strabismus and Amblyopia
- Disorders of the Sclera
- Disorders of the Uvea
- Immune ocular disorders
- Disorders of the Cornea
- Disorders of the Conjunctiva
- Injuries of eye and orbit

Paper III :-

- Disorders of the Orbit
- Disorders of the Lids
- Disorders of the Lacrimal system
- Neuroophthalmology
- Paediatric ophthalmology

Paper IV :-

- Glaucoma
- Systemic ophthalmology
- Disorders of the Retina
- Disorders of the Lens
- Community ophthalmology
- Surgical Ophthalmology
- Recent Advances in the field of Ophthalmology

M. S. Orthopedics:-

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper I - Basic and clinical sciences as applied to Orthopedics

Paper II - Musculo-skeletal Trauma

Paper III - General Orthopedics, Joint Disorders and Spine

Paper IV - Regional Orthopedics and Recent Advances in the field of Orthopaedics

M.S.Otorhinolaryngology

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper I:- Basic Sciences -

1. Anatomy
2. Physiology
3. Other basic science topics covered in syllabus

Paper II:- Rhinology including recent advances

Paper III:- Otology including recent advances

Paper IV:- Laryngology and pharyngology & Broncho-oesophagology & Recent Advances in the field of Otorhinolaryngology

M.D. Psychiatry

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper I:- NeuroAnatomy, Neurophysiology, Neurochemistry, Genetics, General and Abnormal Psychology, Social psychology, Anthropology, Ethology and statistics

Paper II:- History of psychiatry, Classificatory systems in Psychiatry, Adult psychiatric disorders including personality disorder substance related disorders, sexual disorders, eating disorders, sleep disorders (Epidemiology aetiopathogenesis, clinical features, treatment course and outcome). Psychosomatic disorders, Consultation - Liaison psychiatry, Geriatric psychiatry, Psychiatric emergencies, Psycho-oncology Psychoneuroimmunology, Psychoneuroendocrinology, chronopsychobiology, electrophysiological procedures and brain imaging in psychiatry.

Paper III:- Child and adolescent psychiatric disorders including mental retardation (Epidemiology aetiopathogenesis, clinical features, treatment course and outcome). Mental health issues in women including post-partum psychiatric disorders, Measurements in Psychiatry, Psychopharmacology, Electroconvulsive therapy, Psychosurgery, Psychotherapy, Rehabilitation in Psychiatry, Forensic Psychiatry, Cultural Psychiatry, Community Psychiatry and Ethics in Psychiatry.

Paper IV:- Neurology: Medicine related to Psychiatry and Recent advances in the field of Psychiatry

M. D. Radio-Diagnosis

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper - I:-

Basic Sciences as applied to Radio-Diagnosis – Radiological Anatomy, Physiology, Pathology, Radiography, Radiation Physics and Biology.

Basics of Ultrasound CT, Nuclear Medicine and MRI

Bones and Joints

Paper - II:-

Respiratory system; Gastrointestinal system and abdomen (including Pancreas, Adrenals, Biliary tree, Spleen, Liver and acute abdomen)

Paper - III:-

Cardiovascular system including Lymphatic system, Arteriography Phlebography and Interventional procedures.

Urogenital system including Scrotum and Obstetrics and Gynaecology

Paper - IV:-

Skull and Central Nervous system; ENT, Eyes, Teeth and soft tissues

Recent Advances in the field of Radiology

M. D. Radiotherapy

Written Examination (Theory): A written examination shall consist of four question papers, each of three hours duration. Each paper shall carry 100 marks. Out of the four papers, the 1st paper in clinical subjects will be on the aspects of basic medical sciences.

Paper I: Applied Anatomy, Pathology, Radiation Physics, Radio biology.

Paper II :Principles and Practice of Chemotherapy in Malignant Diseases, Preventive Oncology, Palliative Care.

Paper III : General Principles of Radiotherapy and Oncology. Principles and Practice of Radiotherapy of skin, head & neck, central and peripheral nervous system and GI tract tumors.

Paper IV : Principle and Practice of Radiotherapy of thoracic region, including breast, genito urinary system, lymphoretichlar system, musculo- skeletal system, pediatric tumors and Recent Advances in the field of Radiotherapy

Physical Medicine and Rehabilitation

Paper I: Basic Sciences as applied to Rehabilitation Medicine.

Paper II: Rehabilitation Medicine II.

Paper III: Rehabilitation Medicine III.

Paper IV: Applied aspects of Rehabilitation Medicine and Recent advances in the field of Physical Medicine and Rehabilitation

Family Medicine-MD

Paper I: Principles of Family Medicine, basic sciences and laboratory sciences relevant for Family Medicine

Paper II: General Medicine including Nutrition, Infections, Lifestyle Diseases, Noncommunicable disease & Allied Sciences including psychiatry, geriatrics, dermatology, pulmonology [As applied to Family Medicine].

Paper III: Surgery and Allied Sciences including ENT, Ophthalmology, Orthopedics, pain, and palliative care, emergency care [As applied to Family Medicine]

Paper IV: Obstetrics and gynecology, pediatrics, community medicine, Recent advances [As applied to Family Medicine]

Note:-

1. The MCI-PGMR-2000 regulations were clearly delineated by the RGUHS much before the PGMER-2023 regulations from the NMC, was released. Hence there will not be any differences in the distribution of the syllabus of the each of the MD/MS course syllabus, by paper wise.
2. The other courses not mentioned in this annexure, will also have the similar division of the syllabus with respect to the different papers of the subject
3. The syllabus division for the Diploma courses will be as per the previous years only.


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