# SRI SIDDHARTHA MEDICAL COLLEGE

[Constituent College of Sri Siddhartha Academy of Higher Education] Agalakote, B.H. Road, Tumakuru – 572 107.
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# Mapping of

# MBBS

# Programme Outcomes and Course Outcomes

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**I-MBBS**

**[Pre - Clinical Subjects]**

## MAPPING OF PROGRAMME OUTCOMES [POS] AND COURSE OUTCOMES [COS] OF MBBS PROGRAMMES

| Programme Outcomes | |
|---|---|
| **Programme Name: MBBS** | |
| **Programme Code: MU01** | |
| **Sr. No.** | **By the end of the programme, the MBBS Graduate will have /be:** |
| PO 1 | Knowledge and Skills |
| PO 2 | Planning and problem-solving abilities |
| PO 3 | Communication |
| PO 4 | Research Aptitude |
| PO 5 | Professionalism and Ethics |
| PO 6 | Leadership |
| PO 7 | Societal Responsibilities |
| PO 8 | Environment and Sustainability |
| PO 9 | Lifelong Learner |

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| Course Outcomes and Mapping with Programme Outcomes | |
|---|---|
| **Year I** | |
| **Course Code** | **Course Title** |
| M0101 | Human Anatomy |
| M0102 | Human Physiology |
| M0103 | Human Biochemistry |

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| Human Anatomy (M0101) | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| M0101.1 | Comprehend normal position and clinical relevant interrelationships and cross sectional anatomy of various structures of the body | PO1, PO4, PO5, PO7, PO9 |
| M0101.2 | Identify the microscopic structure and correlate elementary ultra-structure of various organs and tissues and understand various functions as a prerequisite to altered state in | PO1, PO4, PO5, PO9 |
| M0101.3 | Comprehend basic structure and connections of central nervous system to analyze the integrative and regulatory functions of organs and system Shall be able to locate the site of gross lesions in central nervous system according to deficits encountered | PO1, PO4, PO5,PO9 |
| M0101.4 | Demonstrate knowledge of principles and sequential development of organ system. Recognize critical stages of effect of teratogens and genetic mutations | PO1, PO4, PO5 |
| M0101.5 | Identify and locate all the structures of the body and mark topographically in a subject / | PO1, PO4,PO5, PO9 |
| M0101.6 | Identify organs and tissues under microscope | PO1,PO5 |
| M0101.7 | Understand principles of karyotyping and genetic mutations in major developmental | PO1,PO9 |
| M0101.8 | Identify the structures on X-ray, CT and MR images Understand anatomical basis for safe conduct of common clinical | PO1, |
| M0101.9 | Develop respect to the human cadaver, empathy towards diseased and sense of gratification for the voluntary body donors and their families | PO1,PO5,PO6,PO7,PO8, PO9 |

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| Human Physiology (M0102) | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| M0102.1 | Describe structure & functions of normal & sick cell, cell death & repair | PO1, PO2, PO3, PO4, PO5, PO8, PO9 |
| M0102.2 | Explain concept of homeostasis & its maintenance. Describe normal function of organ | PO1, PO2, PO3, PO5, PO8, PO9 |
| M0102.3 | Explain pathophysiological basis of treatment of common disease conditions. | PO1, PO2, PO3, PO4, PO5, PO9 |
| M0102.4 | Perform and describe various procedure of laboratory tests and interpret their results. | PO1, PO2, PO3, PO4, PO5, PO9 |
| M0102.5 | Describe the scheme of investigations required for diagnosis and management of common disease conditions. | PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO9 |

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| Human Biochemistry (M0103) | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| M0103.1 | Describe the molecular and functional organization of a cell and list its subcellular components. | PO1,PO3,PO4,PO5,PO6,PO7, PO9 |
| M0103.2 | Delineate structure, function and inter-relationships of biomolecules and consequences of deviation from normal. | PO1,PO5,PO7,PO9 |
| M0103.3 | Summarize the fundamental aspects of enzymology and its clinical application. Describe enzyme inhibitors as poisons and drugs and as therapeutic enzyme. | PO1,PO2,PO4,PO5,,PO7,PO9 |
| M0103.4 | Describe digestion and assimilation of nutrients and consequences of malnutrition. | PO1,PO3,,PO5,PO7 |
| M0103.5 | Integrate the various aspects of metabolism and their regulatory pathway with structure and function of human body in health & disease. | PO1,PO5,PO7,PO9 |
| M0103.6 | Explain the biochemical basis of inherited disorders with their associated sequelae. | PO1,PO3,PO4,PO5,PO7,PO9 |
| M0103.7 | Describe mechanisms involved in maintenance of body fluid and pH homeostasis. | PO1, PO2,PO5, PO7,PO9 |
| M0103.8 | Outline the molecular mechanisms of gene expression and regulation; the principles of genetic engineering and their application in medicine | PO1, PO2, PO4, PO5,,PO7, PO9 |
| M0103.9 | Summarize the molecular concept of body deficiencies and their application in medicine. | PO1, PO4, PO5, PO7, PO8, PO9 |
| M0103.10 | Make **use** of conventional techniques / instruments to perform MB103chemical analysis relevant to clinical screening and diagnosis. | PO1, PO2, PO4, PO5, PO7, PO9 |
| M0103.11 | Analyze and interpret investigative data | PO1,PO2,PO3,PO5,PO6,PO7, |
| M0103.12 | Demonstrate the skills of solving scientific and clinical problems and decision making | PO1, PO2, PO3, PO4, PO5,PO6,,PO9 |

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**SYLLABUS**

**For II-MBBS**

**[PARA - CLINICAL SUBJECTS]**

**MAPPING OF PROGRAMME OUTCOMES [POS] AND COURSE OUTCOMES [COS] OF - II-MBBS PROGRAMMES**

| **Programme Outcomes** | |
|---|---|
| **Programme Name: MBBS** | |
| **Programme Code: MU01** | |
| **Sr.No.** | **By the end of the programme, the MBBS Graduate will have** /be: |
| PO 1 | Knowledge and Skills |
| PO 2 | Planning and problem-solving abilities |
| PO 3 | Communication |
| PO 4 | Research Aptitude |
| PO 5 | Professionalism and Ethics |
| PO 6 | Leadership |
| PO 7 | Societal Responsibilities |
| PO 8 | Environment and Sustainability |
| PO 9 | Lifelong Learner |

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| **Course Outcomes and Mapping with Programme Outcomes** | |
|---|---|
| **MBBS – Year II** | |
| **Course Code** | **Course Title** |
| M0201 | Pathology |
| M0202 | Pharmacology and Therapeutics |
| M0203 | Microbiology |

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| Pathology: (M0201) | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| **M0201**.1 | Enumerate and understand common definitions and terms used in pathology | PO1,PO2,PO3,PO4,PO9 |
| **M0201**.2 | Understand etiopathogenesis of various cellular and tissue lesions. Interpret effects on gross and microscopy | PO1,PO2PO3,PO4,PO5,PO9 |
| **M0201**.3 | Comprehend, classify, identify and interpret characteristics of benign and malignant tumors on gross and microscopy. Acquire knowledge of spread of tumors along with molecular basis of neoplasia | PO1,PO2PO3,PO4,PO5,PO9 |
| **M0201**.4 | Define and classify anaemia and other RBC disorders. Comprehend Etiology, characteristics and investigations in various types of anaemia. Prepare and interpret PBS and BM aspiration and biopsy. | PO1,PO2PO3,PO4,PO5,PO7,PO9 |
| **M0201**.5 | Enumerate, comprehend and interpret leucocyte disorders. Etiopathogenesis and classification of acute and chronic leukemias and lymphomas. | PO1,PO2PO3,PO4,PO5,PO7,PO9 |
| **M0201**.6 | Understand normal hemostasis. Comprehend and diagnosis congenital and acquired disorders of hemostasis | PO1,PO2PO3,PO4,PO9 |
| **M0201**.7 | Classify, describe, identify and interpret various blood group disorders. Understand and describe compatibility testing and principles of blood component therapy. Must know various transfusion reactions with their investigations along with provisioning of safe blood and autologous transfusion. | PO1,PO2PO3,PO4,PO5,PO6,PO7, PO8,PO9 |
| **M0201**.8 | Know the process, to collect and interpret various clinical, cytological and histopathological specimens. | PO1,PO2PO3,PO5,PO6,PO7,PO8,PO9 |
| **M0201**.9 | Comprehend Etiopathogenesis, classification, gross and microscopy, genetics, grading, staging, prognostic and complication along with diagnostic and screening methods in various systemic disorders and tumours. | PO1,PO2,PO3,PO4,PO5,PO9 |

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| **Pharmacology and Therapeutics: (M0202)** | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to;** | **Mapped Programme Outcomes** |
| **M0202**.1 | Describe the pharmacokinetics and pharmacodynamics of essential and commonly used drugs | PO1,PO2,PO3,PO4,PO5,PO9 |
| **M0202**.2 | Explain indications and contraindications, drug interactions, adverse drug reactions, efficacy and safety of essential & commonly used drugs and their use in special situations such as pregnancy, lactation, infancy and old age | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9 |
| **M0202**.3 | State the principles underlying the concept of 'essential drugs' i.e. selection of essential drugs from adequate data based on safety and efficacy as determined by clinical studies | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9 |
| **M0202**.4 | Rational prescription writing | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9 |
| **M0202**.5 | Identify ADR & Drug interactions | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9 |
| **M0202**.6 | Interpret the data of experiments designed for study of effects of drugs | PO1,PO2, PO3,PO5,PO6,PO7,PO9 |
| **M0202**.7 | Critically evaluate the drug formulations | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO9 |

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| Microbiology: (M0203) | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| **M0203**.1 | The student should be well equipped with the knowledge of prevalent communicable diseases of national importance and of the newer emerging pathogens. | PO1,PO2,PO3,PO5, PO6,PO7,PO8,PO9 |
| **M0203**.2 | Know and describe the etiology and pathogenesis of diseases caused by microorganisms | PO1,PO2,PO3,PO4, PO5,PO7,PO9 |
| **M0203**.3 | Plan and interpret laboratory investigations for diagnosis of infectious diseases and correlate the clinical manifestations with the etiological agent. | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO9 |
| **M0203**.4 | Be conversant with proper methods of collection, storage &transport of clinical materialfor microbiological investigations. | PO1,PO2,PO3,PO5, PO6,PO7,PO8,PO9 |
| **M0203**.5 | Understand the principles of immunology and its application in the diagnosis and prevention of infectious diseases | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8,PO 9 |
| **M0203.**6 | Understand methods of disinfection and sterilization and their application to control and prevent hospital and community acquired infections including universal biosafety precautions and waste disposal. | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8,PO 9 |
| **M0203**.7 | The student will understand the use of the different antimicrobial agents including antibiotics to use judiciously and prevent misuse | PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8,PO 9 |

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**SYLLABUS**

**For III/I-MBBS**

**[CLINICAL SUBJECTS]**

| MBBS Year III /I | |
|---|---|
| **Course Code** | **Course Title** |
| M0301 | Community Medicine |
| M0302 | Forensic Medicine & Toxicology |

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| Community Medicine: (M0301) | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| M0301.1 | Use epidemiology as a scientific tool to make rational decisions relevant to community and individual patient. | PO1,PO2,PO3,PO4,PO 5, PO6,PO7,PO8,PO9 |
| M0301.2 | Collect, analyze, interpret and present simple community and hospital-based data | PO1,PO2,PO3,PO4,PO 5, PO7,PO8,PO9 |
| M0301.3 | Use the art of communication with patients including history taking and medico social work | PO1,PO2,PO3,PO5, PO7,PO8,PO9 |
| M0301.4 | Diagnose and manage common health problems and emergencies at the individual, family and community levels keeping in mind the existing health care resources in the context of **the** prevailing socio-culture beliefs | PO1,PO2,PO3,PO5, PO6,PO7,PO8,PO9 |
| M0301.5 | Identify the environmental and occupational hazards and their control | PO1,PO2,PO3,PO5, PO6,PO7,PO8,PO9 |
| M0301.6 | Plan, implement and evaluate a health education programme with skill to use simple audio-visual aids | PO1,PO2,PO3,PO5, PO6,PO7,PO8,PO9 |
| M0301.7 | Interact with other members of the health care team and participate in the organization of health care services and implementation of national health programmes | PO1,PO2,PO3,PO4,PO 5, PO6,PO7,PO8,PO9 |

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| Forensic Medicine &Toxicology :(M0302) | | |
|---|---|---|
| **CO. No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| M0302.1 | Knowledge of court & Law enforcing agenesis, Knowledge of Natural &Unnatural Deaths, Certification of Deaths & Organ Transplantation | PO1,PO2,PO3,PO4,PO5,PO 6 ,PO7, P08, P09 |
| M0302.2 | Knowledge, observation, analysis, interpretation of Post-mortems Findings in Various Types of Deaths And Writing of Postmortem Reports. | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO9 |
| M0302.3 | Judicious & effective communication with Living Cases of medico-legal examination and Good report writing. | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO9 |
| M0302.4 | Knowledge, Diagnosis and management of common Poisoning case and writing medico-legal report and Reporting. | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO9 |
| M0302.5 | Knowledge of various laws and regulation related to Hospital service. Knowledge of medico-legal records related to casualty and emergency medico-legal cases. | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO9 |
| M0302.6 | Acquire Integrated knowledge of Para-clinical and Clinical specialties related to Medico-legal issues. | PO1,PO2,PO3,PO4,PO5,PO6, PO9 |
| M0302.7 | Knowledge of laws in relation to medical Practice and develop attitude communication and professional skill to handle ethical and medical negligence issues. | PO1,PO2,PO3,PO4,PO5,PO6,PO 7,PO9 |

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**SYLLABUS**

**For III/II - MBBS**

**[CLINICAL SUBJECTS]**

| | **III /II – MBBS** |
|---|---|
| **Course Code** | **Course Title** |
| M0401 | General Medicine & allied |
| M0402 | General Surgery & allied |
| M0403 | Obstetrics And Gynecology |
| M0404 | Pediatrics |
| M0405 | ENT |
| M0406 | Ophthalmology |

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| General Medicine& allied: (M0401) | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| M0401.1 | At the end of the course the student shall have adequate knowledge to diagnose common clinical conditions with special reference to infectious diseases, nutritional disorder, metabolic disorders and environmental disorders. | PO1,PO2,PO3,PO4,PO5,PO 6,PO7, PO8,PO9 |
| M0401.2 | Propose diagnostic and investigative procedures and ability to interpret them | PO1,PO2,PO3,PO4,PO5,P O6,P07, PO9 |
| M0401.3 | Outline various modes of management including drug therapy especially doses, side effects, toxicity, indications, contraindications and interaction | PO1,PO2,PO3,PO4,PO5,PO 6,PO7, PO8,PO9 |
| M0401.4 | Provide first level management of acute emergencies promptly and efficiently and decide on the timing and level of referral if required | PO1,PO2,PO3,PO4,PO5,PO 6,PO7, PO8,PO9 |
| M0401.5 | Recognize geriatric disorders and their management | PO1,PO2,PO3,PO4,PO5,PO 6,PO7, PO8,PO9 |
| M0401.6 | Apply clinical skills of history taking, clinical examination to diagnose common medical disorders and medical emergencies | PO1,PO2,PO3,PO4,PO5,P O6,PO7, PO8 |
| M0401.7 | Perform simple routine investigations like haemogram, stool, urine, sputum and other biological fluids | PO1,PO2,PO3,PO4,PO5,PO 6,PO7, PO8,PO9 |
| M0401.8 | To interpret simple X-Ray, ECG, CT scan and laboratory report findings | PO1,PO2,PO4,PO5,PO6,PO 7,PO9 |
| M0401.9 | Assist common bedside medical procedures like pleural tap, lumbar puncture, bone marrow aspiration, catheterization, insertion of Ryle's tube etc. | PO1,PO2,PO3,PO4,PO5,PO 6,PO7, PO8,PO9 |
| M0401.10 | sympathetic and compassionate attitude towards patient and their relatives | PO1,PO2,PO3,PO5,PO7 |
| M0401.11 | A curiosity to learn about medical research | PO1,PO2,PO4,PO5,PO6,PO 7, |
| M0401.12 | To correctly record case files, medical certificates | PO1,PO2,PO3,PO5, PO7,PO9 |
| M0401.13 | Diagnose and manage common respiratory illness | PO1,PO2,PO4,PO,PO6,PO 7,PO8, |
| M0401.14 | Should be able to diagnose provisionally Psychiatric disorders | PO1,PO2,PO3,PO5,PO6,P O7,PO8, PO9 |
| M0401.15 | Should be able to diagnose and manage common dermatology problems as physician of first contact | PO1,PO2,PO4,PO,PO6,PO 7, PO8, PO9 |

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| General Surgery and allied: (M0402) | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| M0402.1 | Describe aetiology, pathophysiology, principles of diagnosis and management of common surgical problems including emergencies in adults and children. | PO1,PO2, PO4,,PO5,PO7,PO9 |
| M0402.2 | Define indications and methods for fluid and electrolyte replacement therapy including blood transfusion; | PO1,PO2,PO4,PO5,PO7,PO9 |
| M0402.3 | Define asepsis, disinfection and sterilization and recommend judicious use of antibiotics; | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO 9 |
| M0402.4 | Diagnose common surgical conditions both acute and chronic, in adult and children | PO1,PO2,PO3,PO5,PO7,PO9 |
| M0402.5 | Plan various laboratory tests for surgical conditions and interpret the results; | PO1,PO2,PO3,PO4,PO5,PO6,PO 9 |
| M0402.6 | Identify and manage patients of hemorrhagic, septicaemic and other types of shock | PO1,PO2,PO4,PO5 ,PO9 |
| M0402.7 | Be able to maintain patient air-way and resuscitate any critically ill patient | PO1,PO2,PO3,PO5,PO6,PO7,PO 9 |
| M0402.8 | Monitor patients of head, chest, spinal and abdominal injuries, both in adults and children; | PO1,PO2,PO3,PO5,PO6,PO7,PO 9 |
| M0402.9 | Acquire principles of operative surgery, including pre-operative, operative and postoperative care and monitoring. | PO1,PO2,PO3,PO5,PO6,PO9 |
| M0402.10 | Treat open wounds including preventive measures against tetanus and gas gangrene; | PO1,PO2,PO5,PO6,PO7,PO8,PO 9 |
| M0402.11 | Diagnose neonatal and pediatric surgical emergencies and provide sound primary care before referring the patient to secondary / tertiary centres; | PO1,PO2,PO3,PO5,PO6,PO7,PO 9 |
| M0402.12 | Recognize the importance of clinical Orthopaedics & diagnose and manage majority of the conditions in clinical Orthopaedics on the basis of clinical assessment & investigations | PO1,PO2,PO3,PO4,PO5,PO6,PO 7, PO8,PO9 |
| M0402.13 | Carry out Bag Mask Ventilation and Basic Life Support(COLS) | PO1,PO2,PO3,PO5,PO6,PO7,PO 9 |
| M0402.14 | At the end of the course student should know basic principles of various imaging modalities to diagnose various diseases and basic principles of recent advances | PO1,PO2,PO3,PO4,PO5,PO7,PO8,PO 9 |

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| OBSTETRICS AND GYNAECOLOGY. (M0403) | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| M0403.1 | Use demography & vital statistics as a scientific tool to make rational decisions relevant to community and individual patient. | PO1,PO2,PO4,PO5,PO7 |
| M0403.2 | Understand the anatomy, physiology of the female reproductive system including the development of the embryo and changes in maternal physiology in pregnancy | P01,PO4,P05,P08 |
| M0403.3 | Diagnose pregnancy and carry out antenatal care and do pre-conceptional counselling | PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8 |
| M0403.4 | Manage complications including medical disorders in pregnancy | PO1,PO2,PO3,PO4,PO5,PO7,PO9 |
| M0403.5 | Manage normal labour, puerperium and comprehend abnormal labour and puerperium | PO1,PO2,PO3,PO4,PO5,PO6,PO9 |
| M0403.6 | Understand the physiology and care of lactation and the newborn | PO1,PO2,PO3,PO5,PO7,PO8 |
| M0403.7 | Comprehend the basics of MTP, Contraception and advice women where required | PO1,PO3,PO7,PO8, PO9 |
| M0403.8 | Understand the basics of reproductive endocrinology including infertility and menopause and do basic management | PO1,PO3,PO4,PO5 |
| M0403.9 | Understand the diagnosis and basic management of benign gynaecological diseases of female reproductive tract | PO1,PO2,PO3,PO4,PO5,PO9 |
| M0403.10 | Comprehend the basic knowledge and management of Urogynaecology | PO1,PO3,PO5 |
| M0403.11 | Understand the basics of diagnosis and outline of prevention and management of Gynaecological Oncology | PO1,PO3,PO5,PO9 |
| M0403.12 | Perform basic skills (Clinical & Communication) of Obstetrics &Gynaecology | PO1,PO2,PO3,PO5,PO6,PO9 |

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| Paediatrics: (M0404) | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| **M0404**.1 | Assess growth and development during neonatal period, childhood and adolescence and identify deviations from normal**.** | PO 1, PO 2, PO 3, PO 4,PO 5,PO 7,PO 9 |
| **M0404.2** | Measure the age appropriate requirement of nutrient and assess the nutritional status of healthy and sick children. | PO **1,** PO 3, PO 4, PO 5, PO7, PO8, PO9 |
| **M0404**.3 | Identify and manage malnourishment in children. | PO **1,** PO 2, PO 3, PO 4, PO 5, PO6, PO7, |
| **M0404**.4 | Diagnose, manage and prevent common paediatric infectious diseases. | PO **1,** PO 2, PO 3, PO4, PO5, PO6, PO7, PO8, |
| **M0404**.5 | Plan Diagnosis and management of common systemic illnesses. | PO 1, PO 2, PO 4, PO 5, PO6, PO7, PO9 |
| **M0404**.6 | Distinguish between normal and sick new-horn. | PO **1,** PO 2, PO 3, PO 4, PO 5, PO 6, PO 9 |
| **M0404**.7 | Evaluate and Plan Management of paediatrics and neonatal emergencies. | PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 9 |
| **M0404**.8 | Identify and plan management of common surgical problems in children. | PO **1,** PO 2, PO 3, PO 4, PO 5, PO 6, PO 9 |
| **M0404**.9 | Counsel parents about nutrition, immunisation, growth and acute and chronic illnesses. | PO **1,** PO 3, PO 4, PO 5,PO6, PO7,PO8,PO9 |
| **0ENT: (M0405)** | | |
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| M0405.1 | Basic Pathophysiology of common ENT disease and emergencies. | PO1,PO2,PO3,PO4,PO5, P06,P07,P08,P09 |
| M0405.2 | Rational use of drugs commonly used and their adverse effects | PO1,PO2,PO3,PO4,PO5, PO6,PO8,PO9 |
| M0405.3 | Art of communication with patients, their relatives and medical social workers | PO1,PO2,PO3,PO5, PO6,PO8,PO9 |
| M0405.4 | Always willing to do some innovative things apart from routine | PO1,PO2,PO3,PO5, PO6,PO7,PO8,PO9 |
| M0405.5 | Manage basic ENT problems at primary level and be able to refer whenever necessary | PO1,PO2,PO3,PO5, PO6,PO7,PO8,PO9 |
| M0405.6 | Identify the environmental and occupational hazard and treat and treat/control them by participating in campus and national programme | PO1,PO2,PO3,PO5, PO6,PO7,PO8,PO9 |
| M0405.7 | Always be a team facilitator and work as a team along with other members of health care team. | PO1,PO2,PO3,PO4,PO5, PO6,PO7,PO8,PO9 |

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| Ophthalmology: (M0406) | | |
|---|---|---|
| **CO No.** | **At the end of the course, the learner should be able to:** | **Mapped Programme Outcomes** |
| M0406.1 | Possess knowledge &skill to the student that shall enable him/ her to diagnose common eye problems. | PO1,PO2,PO3,PO5,PO7,PO9 |
| M0406.2 | Should be able to manage major Ophthalmic emergencies including first aid and basic diagnostic and therapeutic procedures | PO1,PO2,PO3,PO5,PO7,PO9 |
| M0406.3 | Able to deal with local & systematic disease which affects vision and take necessary action required to minimize the sequence of such disease. | PO1,PO2,PO3,PO5,PO7,PO8,PO9 |
| M0406.4 | Be aware of adverse drug reaction with special reference to Ophthalmic manifestations. | PO1,PO2,PO3,PO5,PO7,PO8,PO9 |
| M0406.5 | Be aware about National programme of blindness and be able to implement it for Prevention of blindness | PO1,PO2,PO3,PO5,PO6,PO7,PO8,PO9 |
| M0406.6 | Able to organise community based survey and motivate for cataract surgery and eye donation. | PO1,PO2,PO3,PO5,PO6,PO7,PO8,PO9 |
| M0406.7 | Should be able to establish rapport with seniors, colleagues and paramedical workers to function as an effective team leader | PO1, PO2, PO3, PO5, PO6, PO7, PO8, PO9 |

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**Mapping of Programme Outcomes with Course Outcomes**

| Sl. No. | Year | Course Name and Code | Course Outcome Number | Knowledge & Skills | Planning & problem | Communication | Research Aptitude | Professionalism & Ethics | Leadership | Societal Responsibilities | Environment and Sustainability | Lifelong Learner |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
| 1 | 1 | Human Anatomy-M0101 | M0101.1 | 3 | | | 2 | 1 | | 3 | 2 | |
| | | | M0101.2 | 3 | | | 2 | 1 | | | | 2 |
| | | | M0101.3 | 3 | | | 2 | 1 | | | | 1 |
| | | | M0101.4 | 3 | | | 2 | 2 | | | | |
| | | | M0101.5 | 3 | | | 2 | 2 | | | | 1 |
| | | | M0101.6 | 3 | | | | 3 | | | | |
| | | | M0101.7 | 3 | | | | | | | | 1 |
| | | | M0101.8 | 3 | | | | | | | | |
| | | | M0101.9 | 3 | | | | 1 | 2 | 3 | 3 | 3 |
| 2 | 1 | Human Physiology-M0102 | M0102.1 | 3 | 2 | 2 | 1 | 1 | | | 2 | 3 |
| | | | M0102.2 | 3 | 2 | 1 | | 2 | | | 1 | 3 |
| | | | M0102.3 | 3 | 3 | 2 | 1 | 2 | | | | 3 |
| | | | M0102.4 | 3 | 3 | 2 | 2 | 2 | | | | 3 |
| | | | M0102.5 | 3 | 3 | 2 | 2 | 3 | 2 | 1 | | 3 |
| 3 | 1 | Human Biochemistry-M0103 | M0103.1 | 3 | | 1 | 1 | 2 | 1 | 2 | | 2 |
| | | | M0103.2 | | | | | 2 | | 2 | | 2 |
| | | | M0103.3 | 3 | 3 | | 1 | 3 | | 3 | | 3 |
| | | | M0103.4 | 3 | | 2 | | 3 | | 3 | | |
| | | | M0103.5 | 1 | | | | 2 | | 2 | | 2 |
| | | | M0103.6 | 3 | | 3 | 2 | 3 | | 3 | | 2 |
| | | | M0103.7 | 3 | 1 | | | 1 | | 3 | | 1 |
| | | | M0103.8 | 1 | 3 | | 3 | 2 | | 2 | | 2 |
| | | | M0103.9 | 3 | | | 1 | 3 | | 3 | 1 | 3 |
| | | | M0103.10 | 3 | 2 | | 3 | 2 | | 2 | | 3 |
| | | | M0103.11 | | | | | 3 | 2 | 3 | | 1 |
| | | | M0103.12 | 1 | 3 | 3 | 2 | | | | | 2 |

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| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 2 | Pathology- **M0201** | M0201.1 | 3 | 2 | 2 | 1 | | | | | | | | | 3 | |
| | | | M0201.2 | 3 | 3 | 2 | 1 | 1 | | | | | | | | 3 | |
| | | | M0201.3 | 3 | 3 | 2 | 1 | 1 | | | | | | | | 3 | |
| | | | M0201.4 | 3 | 3 | 2 | 1 | 1 | | | 1 | | | | | 3 | |
| | | | M0201.5 | 3 | 3 | 2 | 1 | 1 | | | 1 | | | | | 3 | |
| | | | M0201.6 | 3 | 3 | 2 | 1 | | | | | | | | | 3 | |
| | | | M0201.7 | 3 | 3 | 3 | 1 | 3 | 3 | | 3 | | 3 | | | 3 | |
| | | | M0201.8 | 3 | 3 | 3 | | 3 | 3 | | 3 | | 1 | | | 3 | |
| | | | M0201.9 | 3 | 3 | 1 | 1 | 1 | | | | | | | | 3 | |
| 5 | 2 | Pharmacology and Therapeutics- **M0202** | M0202.1 | 3 | 2 | 2 | 2 | 1 | | | | | | | | | 2 |
| | | | M0202.2 | 3 | 3 | 3 | 2 | 2 | | 2 | | 2 | | | | | 2 |
| | | | M0202.3 | 3 | 3 | 3 | 3 | 3 | | 2 | | 2 | | | | | 2 |
| | | | M0202.4 | 3 | 3 | 3 | 3 | 3 | | 2 | | 3 | | | | | 2 |
| | | | M0202.5 | 3 | 3 | 3 | 2 | 2 | | 2 | | 3 | | | | | 2 |
| | | | M0202.6 | 2 | 2 | 2 | | 3 | | 1 | | 1 | | | | | 2 |
| | | | M0202.7 | 3 | 3 | 2 | 2 | 3 | | 2 | | 1 | | | | | 2 |
| 6 | 2 | Microbiology- **M0203** | M0203.1 | 3 | 3 | 1 | | 2 | | 2 | | 3 | | 2 | | | 2 |
| | | | M0203.2 | 3 | 1 | 1 | 2 | 3 | | | | 3 | | | | | 2 |
| | | | M0203.3 | 3 | 3 | 2 | 3 | 3 | | 2 | | 1 | | | | | 2 |
| | | | M0203.4 | 2 | 2 | 2 | | 2 | | 2 | | 2 | | 1 | | | 1 |
| | | | M0203.5 | 3 | 1 | 2 | 2 | 2 | | 2 | | 2 | | 1 | | | 2 |
| | | | M0203.6 | 3 | 2 | 2 | 1 | 2 | | 2 | | 3 | | 3 | | | 1 |
| | | | M0203.7 | 3 | 3 | 2 | 1 | 3 | | 2 | | 3 | | 3 | | | 1 |
| **7** | 3 | Forensic **Medicine & Toxicology- M0302** | M0302.1 | 3 | 3 | 3 | 2 | 2 | 2 | | 2 | | 1 | | 2 | | |
| | | | M0302.2 | 3 | 3 | 3 | 2 | 2 | 2 | | 2 | | | | 2 | | |
| | | | M0302.3 | 3 | 2 | 3 | 2 | 2 | 2 | | 2 | | | | 2 | | |
| | | | M0302.4 | **3** | **3** | **3** | **2** | **2** | **2** | | **2** | | | | **2** | | |
| | | | M0302.5 | **3** | **3** | **3** | **2** | **2** | **2** | | **2** | | | | **2** | | |
| | | | M0302.6 | **3** | **2** | **2** | **2** | **2** | **2** | | | | | | **2** | | |
| | | | M0302.7 | **3** | **3** | **2** | **2** | **2** | **2** | | **2** | | | | **2** | | |

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| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 3 | Community **Medicine- M0301** | M0301.1 | 3 | 3 | 2 | 1 | 2 | | 2 | | 3 | | 1 | | 2 |
| | | | M0301.2 | 3 | 3 | 3 | 3 | 2 | | | | 2 | | 1 | | 2 |
| | | | M0301.3 | 3 | 2 | 3 | | 2 | | | | 3 | | 2 | | 2 |
| | | | M0301.4 | 3 | 3 | 3 | | 2 | | 2 | | 3 | | 2 | | 2 |
| | | | M0301.5 | 3 | 3 | 3 | | 2 | | 2 | | 3 | | 3 | | 1 |
| | | | M0301.6 | 3 | 1 | 3 | | 2 | | 3 | | 3 | | 1 | | 1 |
| | | | M0301.7 | 3 | 3 | 3 | 1 | 3 | | 3 | | 3 | | 3 | | 1 |
| 9 | 4 | ENT- **M0405** | M0405.1 | 3 | 3 | 3 | 1 | 2 | | 2 | | 2 | | 2 | | |
| | | | M0405.2 | 3 | 3 | 3 | 3 | 2 | | 2 | | 2 | | 1 | | |
| | | | M0405.3 | 3 | 2 | 3 | | 2 | | 3 | | | | 2 | | 2 |
| | | | M0405.4 | 3 | 3 | 3 | | 2 | | 2 | | 2 | | 2 | | 2 |
| | | | M0405.5 | 3 | 3 | 3 | | 2 | | 2 | | 2 | | 2 | | 1 |
| | | | M0405.6 | 3 | 1 | 3 | | 2 | | 2 | | 3 | | 2 | | 1 |
| | | | M0405.7 | 3 | 3 | 3 | 1 | 3 | | 2 | | 3 | | 2 | | |
| 10 | 4 | Ophthalmology- **M0406** | M0406.1 | 3 | 3 | 3 | | 3 | | | 2 | | | | | |
| | | | M0406.2 | 3 | 3 | 3 | | 3 | | | 2 | | | | 2 | |
| | | | M0406.3 | 3 | 2 | 3 | | 3 | | | 2 | | 3 | | | |
| | | | M0406.4 | 3 | 2 | 3 | | 3 | | | 2 | | 2 | | 2 | |
| | | | M0406.5 | 3 | 3 | 3 | | 3 | 3 | | 3 | | 3 | | 3 | |
| | | | M0406.6 | 2 | 3 | 2 | | 3 | 3 | | 3 | | 3 | | 3 | |
| | | | M0406.7 | 2 | 3 | 3 | | 2 | 3 | | 3 | | 3 | | 3 | |

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| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 4 | General Medicine & allied- **M0401** | M0401.1 | 3 | 3 | 2 | 1 | 2 | | 2 | | 3 | | 1 | | 2 |
| | | | M0401.2 | 3 | 3 | 3 | 3 | 2 | | 2 | | 2 | | | | 2 |
| | | | M0401.3 | 3 | 2 | 3 | 1 | 2 | | 2 | | 3 | | 2 | | 2 |
| | | | M0401.4 | 3 | 3 | 3 | 2 | 3 | | 2 | | 3 | | 3 | | 3 |
| | | | M0401.5 | 2 | 3 | 3 | 2 | 2 | | 1 | | 3 | | 1 | | 2 |
| | | | M0401.6 | 3 | 3 | 3 | 3 | 3 | | 2 | | 3 | | 1 | | |
| | | | M0401.7 | 3 | 2 | 1 | 1 | 2 | | 2 | | 3 | | 2 | | 2 |
| | | | M0401.8 | 3 | 3 | | 2 | 3 | | 3 | | 3 | | | | 2 |
| | | | M0401.9 | 3 | 3 | 2 | 2 | 3 | | 3 | | 3 | | 2 | | 1 |
| | | | M0401.10 | 2 | 2 | 3 | | 3 | | | | 3 | | | | |
| | | | M0401.11 | 2 | 1 | | 3 | 3 | | 3 | | 2 | | 2 | | 1 |
| | | | M0401.12 | 3 | 2 | 2 | | 3 | | | | 3 | | | | 2 |
| | | | M0401.13 | 3 | 2 | 3 | 1 | 3 | 2 | | 3 | | 2 | | 3 | |
| | | | M0401.14 | 3 | 3 | 2 | | 2 | | 2 | | 3 | | 1 | | 2 |
| | | | M0401.15 | 3 | 2 | 2 | 2 | 3 | 2 | | 2 | | 3 | | 2 | |
| **12** | **4** | **General Surgery & allied - M0402** | M0402.1 | 3 | 3 | | 1 | 3 | | | 1 | | | | 3 | |
| | | | M0402.2 | 3 | 3 | | 1 | 3 | | | 1 | | | | 3 | |
| | | | M0402.3 | 3 | 2 | 1 | 1 | 3 | 2 | | 1 | | | | 3 | |
| | | | M0402.4 | 3 | 2 | 1 | | 3 | | | 1 | | | | 3 | |
| | | | M0402.5 | 3 | 3 | 2 | 1 | 3 | 1 | | | | | | 3 | |
| | | | M0402.6 | 3 | 3 | | 2 | 3 | | | | | | | 3 | |
| | | | M0402.7 | 3 | 3 | 2 | | 3 | 2 | | 2 | | | | | |
| | | | M0402.8 | 3 | 3 | 2 | | 3 | 2 | | 2 | | | | 3 | |
| | | | M0402.9 | 3 | 3 | 2 | | 3 | 2 | | | | | | 3 | |
| | | | M0402.10 | 3 | 2 | | | 3 | 1 | | 1 | | 2 | | 3 | |
| | | | M0402.11 | 3 | 3 | 1 | | 3 | 1 | | 2 | | | | 3 | |
| | | | M0402.12 | 3 | 2 | 2 | 1 | 1 | 1 | | 3 | | 2 | | 3 | |
| | | | M0402.13 | 3 | 3 | 3 | | 3 | 3 | | 2 | | | | 3 | |
| | | | M0402.14 | 3 | 1 | 2 | 3 | 3 | | | 1 | | 1 | | 3 | |

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| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 4 | **OBGY- M0403** | M0403.1 | 2 | 2 | | 2 | 2 | | 2 | | |
| | | | M0403.2 | 3 | | | 2 | 3 | | | 2 | |
| | | | M0403.3 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | |
| | | | M0403.4 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | | 2 |
| | | | M0403.5 | 3 | 2 | 3 | 1 | 3 | | | | 2 |
| | | | M0403.6 | 3 | 1 | 3 | | 2 | | 2 | 2 | |
| | | | M0403.7 | 3 | | 3 | | | | 2 | 2 | 2 |
| | | | M0403.8 | 2 | | 2 | 1 | 3 | | | | |
| | | | M0403.9 | 3 | 2 | 3 | 1 | 3 | | | | 2 |
| | | | M0403.10 | 3 | | 2 | | 2 | | | | |
| | | | M0403.11 | 3 | | 2 | | 3 | | | | 2 |
| | | | M0403.12 | 3 | 2 | 3 | | 3 | 2 | | | 3 |
| **14** | **4** | **Pediatrics- M0404** | M0404.1 | 3 | 1 | 2 | 2 | 2 | | 2 | | 2 |
| | | | M0404.2 | 2 | | 3 | 2 | 2 | | 2 | 1 | 2 |
| | | | M0404.3 | 3 | 2 | 2 | 2 | 3 | 1 | 1 | | 2 |
| | | | M0404.4 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 1 | 2 |
| | | | M0404.5 | 3 | 2 | | 2 | 2 | 1 | 1 | | 1 |
| | | | M0404.6 | 3 | 1 | 2 | 2 | 2 | 1 | | | 1 |
| | | | M0404.7 | 2 | 2 | 2 | 2 | 2 | 1 | | | 1 |
| | | | M0404.8 | 2 | 3 | 2 | 2 | 2 | 1 | | | 1 |
| | | | M0404.9 | 2 | | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| | | Average Score | | 2.9 | 2.5 | 2.4 | 1.8 | 2.4 | 2.0 | 2.3 | 1.9 | 2.2 |
| | | Sum | | 368 | 260 | 244 | 146 | 291 | 145 | 212 | 98 | 248 |
| | | Item Count | | 127 | 105 | 102 | 83 | 122 | 73 | 94 | 52 | 115 |

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**Summary: Mapping of Programme Outcomes with Course Outcomes**

| No | Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Human Anatomy- M0101 | 27 | 0 | 0 | 10 | 13 | 2 | 5 | 3 | 11 |
| 2 | Human Physiology- M0102 | 15 | 13 | 9 | 6 | 10 | 2 | 1 | 3 | 15 |
| 3 | Human Biochemistry- M0103 | 36 | 14 | 11 | 13 | 31 | 6 | 31 | 1 | 23 |
| 4 | Pathology- M0201 | 27 | 26 | 19 | 8 | 11. | 6 | 8 | 4 | 27 |
| 5 | Pharmacology and Therapeutics- M0202 | 20 | 19 | 18 | 14 | 17 | 11 | 12 | 0 | 14 |
| 7 | Microbiology- M0203 | 20 | 15 | 12 | 9 | 17 | 12 | 17 | 10 | 11 |
| 8 | Forensic Medicine & Toxicology- M0302 | 21 | 19 | 19 | 14 | 14 | 14 | 12 | 1 | 14 |
| 9 | Community Medicine- M0301 | 21 | 18 | 20 | 5 | 15 | 12 | 20 | 13 | 11 |
| 10 | ENT- M0405 | 21 | 18 | 21 | 5 | 15 | 15 | 12 | 13 | 11 |
| 11 | Ophthalmology- M0406 | 19 | 19 | 20 | 0 | 20 | 9 | 17 | **14** | 17 |
| 12 | General Medicine & allied- M0401 | 42 | 37 | 32 | 23 | 39 | 28 | 42 | 20 | 26 |
| 13 | General Surgery& allied - M0402 | 42 | 36 | 18 | 10 | 40 | 15 | 17 | 5 | 42 |
| 14 | OBGY- M0403 | 34 | 13 | 27 | 11 | 30 | 6 | 10 | 8 | 13 |
| 15 | Paediatrics- M0404 | 23 | 13 | 18 | 18 | 19 | 7 | 8 | 3 | 13 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Average Score | 26.3 | 18.6 | 17.4 | 10.4 | 20.8 | 10.4 | 15.1 | 7.0 | 17.7 |
| Sum of weightages | 368 | 260 | 244 | 146 | 291 | 145 | 212 | 98 | 248 |
| Total Cos for all courses = 127 | 127 | 105 | 102 | 83 | 122 | 73 | 94 | 52 | 115 |

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| Summary: Mapping of Programme Outcomes | | Outcomes with Course | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PO1 | | PO2 | | PO3 | | PO4 | | PO5 | | PO6 | | PO7 | | PO8 | | PO9 | |
| NO | Course | Total Score | % | Total Score | % | Total Score | % | Total Score | % | Total Score | % | Total Score | % | Total Score | % | Total Score | % | Total Score | % |
| 1 | Human Anatomy- M0101 | 27 | 73 | 0 | 0.0 | 0 | 0.0 | 10 | 68 | 13 | 4.5 | 2 | 1.4 | 5 | 2.4 | 3 | 3.1 | 11 | 4.4 |
| 2 | Human Physiology- M0102 | 15 | 41 | 13 | 5.0 | 9 | 37 | 6 | 41 | 10 | 3.4 | 2 | 1.4 | 1 | 0.5 | 3 | 3.1 | 15 | 6.0 |
| 3 | Human Biochemistry- M0103 | 36 | 98 | 14 | 5.4 | 11 | 45 | 13 | 89 | 31 | 10.7 | 6 | 4.1 | 31 | 14.6 | 1 | 1.0 | 23 | 9.3 |
| 4 | Pathology- M0201 | 27 | 73 | 26 | 10.0 | 19 | 78 | 8 | 55 | 11 | 3.8 | 6 | 4.1 | 8 | 3.8 | 4 | 4.1 | 27 | 10.9 |
| 5 | Pharmacology and Therapeutics- M0202 | 20 | 54 | 19 | 7.3 | 18 | 74 | 14 | 96 | 17 | S.8 | 11 | 7.6 | 12 | 5.7 | 0 | 0.0 | 14 | 5.6 |
| 7 | Microbiology- M0203 | 20 | 54 | 15 | 5.8 | 12 | 49 | 9 | 62 | 17 | 5.8 | 12 | 8.3 | 17 | 8.0 | 10 | 10.2 | 11 | 4.4 |
| 8 | Forensic Medicine & Toxicology- M0302 | 21 | 57 | 19 | 7.3 | 19 | 78 | 14 | 96 | 14 | 4.8 | 14 | 9.7 | 12 | 5.7 | 1 | 1.0 | 14 | 5.6 |
| 9 | Community Medicine- M0301 | 21 | 57 | 18 | 6.9 | 20 | 82 | 5 | 34 | 15 | 5.2 | 12 | 8.3 | 20 | 9.4 | 13 | 13.3 | 11 | 4.4 |
| 10 | ENT- M0405 | 21 | 57 | 18 | 6.9 | 21 | 86 | 5 | 34 | 15 | 5.2 | 15 | 10.3 | 12 | 5.7 | 13 | 13.3 | 11 | 4.4 |
| 11 | Ophthalmology- M0406 | 19 | 52 | 19 | 7.3 | 20 | 82 | 0 | 00 | 20 | 6.9 | 9 | 6.2 | 17 | 8.0 | 14 | 14.3 | 17 | 6.9 |

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| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | General Medicine & allied-M0401 | 42 | 11.4 | 37 | 14.2 | 32 | 13.1 | 23 | 15.8 | 39 | 13.4 | 28 | 19.3 | 42 | 19.8 | 20 | 20.4 | 26 | 10.5 |
| 13 | General Surgery& allied - M0402 | 42 | 11.4 | 36 | 13.8 | 18 | 7.4 | 10 | 6.8 | 40 | 13.7 | 15 | 10.3 | 17 | 8.0 | 55 | **5.**1 | 42 | 16.9 |
| 14 | OBGY-M0403 | 34 | 9.2 | 13 | 5.0 | 27 | 11.1 | 11 | 7.5 | 30 | 10.3 | 6 | 4.1 | 10 | 4.7 | 8 | 8.2 | 13 | 5.2 |
| 15 | Paediatrics- M0404 | 23 | 6.3 | 13 | 5.0 | 18 | 74 | 18 | 12.3 | 19 | 6.5 | 7 | 4.8 | 8 | 3.8 | 3 | 3.1 | 13 | 5.2 |
| SUM | | 368 | 100 | 260 | 100 | 244 | 100 | 146 | 100 | 291 | 100 | 145 | 100 | 212 | 100 | 98 | 100 | 248 | 100 |
| Sum | | 736 | | 520 | | 488 | | 292 | | 582 | | | | | | | | | |
| Average Score | | 2.87 | | 2.64 | | 1.55 | | 1.56 | | 1.87 | | | | | | | | | |
| Sum of weightages | | 566 | | 193 | | 42 | | 47 | | 103 | | | | | | | | | |
| Total COs for all courses = 206 | | 197 | | 73 | | 27 | | 30 | | 55 | | | | | | | | | |

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## % Contribution of Each Course towards PO attainment

| Sl No | Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Human Anatomy- M0111 | 7.3 | 0.0 | 0.0 | 6.8 | 4.5 | 1.4 | 2.4 | 3.1 | 4.4 |
| 2 | Human Physiology- M0113 | 4.1 | 5.0 | 3.7 | 4.1 | 3.4 | 1.4 | 0.5 | 3.1 | 6.0 |
| 3 | Human Biochemistry- M0115 | 9.8 | 5.4 | 4.5 | 8.9 | 10.7 | 4.1 | 14.6 | 1.0 | 9.3 |
| 4 | Pathology- M0221 | 7.3 | 10.0 | 7.8 | 5.5 | 3.8 | 4.1 | 3.8 | 4.1 | 10.9 |
| 5 | Pharmacology and Therapeutics- M0225 | 5.4 | 7.3 | 7.4 | 9.6 | 5.8 | 7.6 | 5.7 | 0.0 | 5.6 |
| 7 | Microbiology- M0223 | 5.4 | 5.8 | 4.9 | 6.2 | 5.8 | 8.3 | 8.0 | 10.2 | 4.4 |
| 8 | Forensic Medicine & Toxicology- M0227 | 5.7 | 7.3 | 7.8 | 9.6 | 4.8 | 9.7 | 5.7 | 1.0 | 5.6 |
| 9 | Community Medicine- M0331 | 5.7 | 6.9 | 8.2 | 3.4 | 5.2 | 8.3 | 9.4 | 13.3 | 4.4 |
| 10 | ENT- M0334 | 5.7 | 6.9 | 8.6 | 3.4 | 5.2 | 10.3 | 5.7 | 13.3 | 4.4 |
| 11 | Ophthalmology- M0333 | 5.2 | 7.3 | 8.2 | 0.0 | 6.9 | 6.2 | 8.0 | 14.3 | 6.9 |
| 12 | General Medicine & allied- M0442 | 11.4 | 14.2 | 13.1 | 15.8 | 13.4 | 19.3 | 19.8 | 20.4 | 10.5 |
| 13 | General Surgery& allied - M0445 | 11.4 | 13.8 | 7.4 | 6.8 | 13.7 | 10.3 | 8.0 | 5.1 | 16.9 |
| 14 | OBGY- M0447 | 9.2 | 5.0 | 11.1 | 7.5 | 10.3 | 4.1 | 4.7 | 8.2 | 5.2 |
| 15 | Paediatrics- M0441 | 6.3 | 5.0 | 7.4 | 12.3 | 6.5 | 4.8 | 3.8 | 3.1 | 5.2 |

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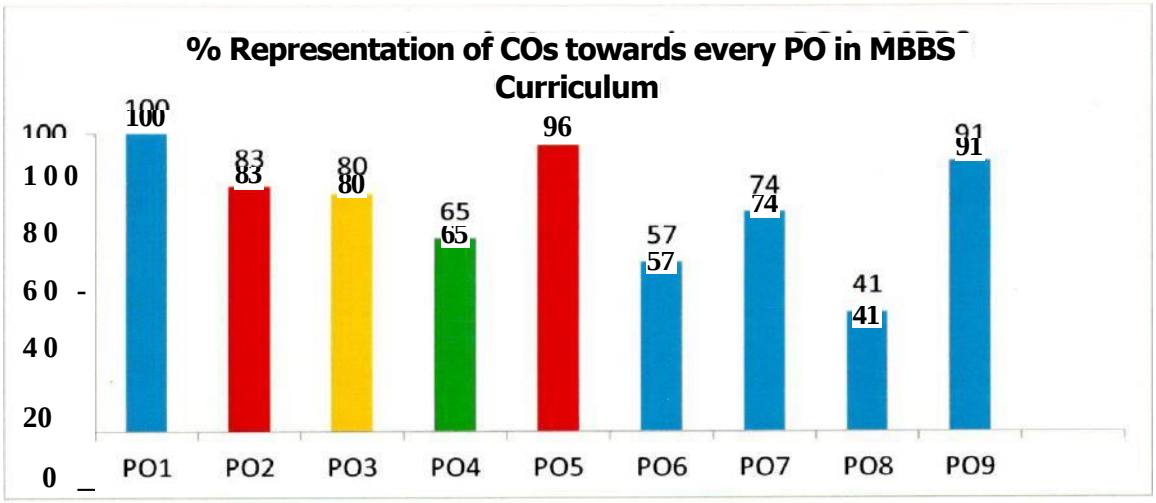


PO1 PO2 **PO3 PO4 PO5 PO6 PO7 PO8 PO9**

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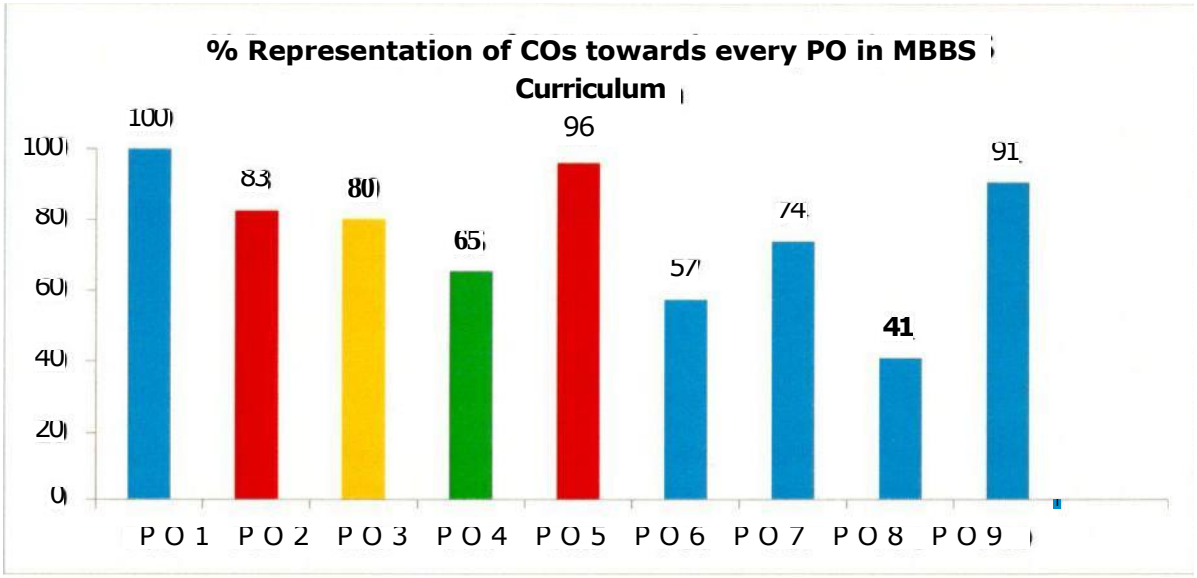
| | Total Items | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|---|---|---|---|---|---|---|---|---|---|---|
| | 127 | 127 | 105 | 102 | 83 | 122 | 73 | 94 | 52 | 115 |
| | % | 100.0 | 82.7 | 80.3 | 65.4 | 96.1 | 57.5 | 74.0 | 40.9 | 90.6 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
| | | 100 | 83 | 80 | 65 | 96 | 57 | 74 | 41 | 91 |
| | | | | | | | | | | |



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**% Contribution of Each Course towards PO attainment**

| SLNo | Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Human Anatomy- M0111 | 7.3 | 0.0 | 0.0 | 6.8 | 4.5 | 1.4 | 2.4 | 3.1 | 4.4 |
| 2 | Human Physiology- M0113 | 4.1 | 5.0 | 3.7 | 4.1 | 3.4 | 1.4 | 0.5 | 3.1 | 6.0 |
| 3 | Human Biochemistry- M0115 | 9.8 | 5.4 | 4.5 | 8.9 | 10.7 | 4.1 | 14.6 | 1.0 | 9.3 |
| 4 | Pathology- M0221 | 7.3 | 10.0 | 7.8 | 5.5 | 3.8 | 4.1 | 3.8 | 4.1 | 10.9 |
| 5 | Pharmacology and Therapeutics- M0225 | 5.4 | 7.3 | 7.4 | 9.6 | 5.8 | 7.6 | 5.7 | 0.0 | 5.6 |
| 7 | Microbiology- M0223 | 5.4 | 5.8 | 4.9 | 6.2 | 5.8 | 8.3 | 8.0 | 10.2 | 4.4 |
| 8 | Forensic Medicine & Toxicology- M0227 | 5.7 | 7.3 | 7.8 | 9.6 | 4.8 | 9.7 | 5.7 | 1.0 | 5.6 |
| 9 | Community Medicine- M0331 | 5.7 | 6.9 | 8.2 | 3.4 | 5.2 | 8.3 | 9.4 | 13.3 | 4.4 |
| 10 | ENT- M0334 | 5.7 | 6.9 | 8.6 | 3.4 | 5.2 | 10.3 | 5.7 | 13.3 | 4.4 |
| 11 | Ophthalmology- M0333 | 5.2 | 7.3 | 8.2 | 0.0 | 6.9 | 6.2 | 8.0 | 14.3 | 6.9 |
| 12 | General Medicine & allied- M0442 | 11.4 | 14.2 | 13.1 | 15.8 | 13.4 | 19.3 | 19.8 | 20.4 | 10.5 |
| 13 | General Surgery& allied - M0445 | 11.4 | 13.8 | 7.4 | 6.8 | 13.7 | 10.3 | 8.0 | 5.1 | 16.9 |
| 14 | OBGY- M0447 | 9.2 | 5.0 | 11.1 | 7.5 | 10.3 | 4.1 | 4.7 | 8.2 | 5.2 |
| 15 | Paediatrics- M0441 | 6.3 | 5.0 | 7.4 | 12.3 | 6.5 | 4.8 | 3.8 | 3.1 | 5.2 |

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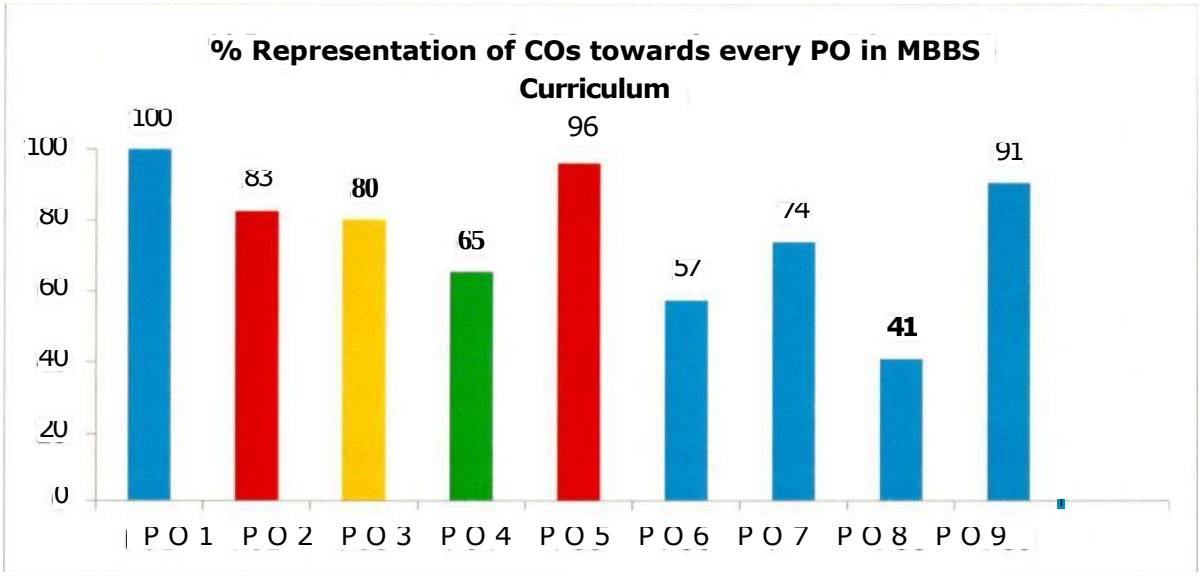
## % Representation of COs towards every PO in MBBS Curriculum

| | Total Items | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|---|---|---|---|---|---|---|---|---|---|---|
| | 127 | 127 | 105 | 102 | 83 | 122 | 73 | 94 | 52 | 115 |
| | % | 100.0 | 82.7 | 80.3 | 65.4 | 96.1 | 57.5 | 74.0 | 40.9 | 90.6 |
| | | | | | | | | | | |
| | | | | | | | | | | |



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## % Contribution of each course in PO

| Sr. | Course | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Human Anatomy- M0111 | 7.3 | 0 | 0 | 6.8 | 4.5 | 1.4 | 2.4 | 3.1 | 4.4 |
| 2 | Human Physiology- M0113 | 4.1 | 5 | 3.7 | 4.1 | 3.4 | 1.4 | 0.5 | 3.1 | 6 |
| 3 | Human Biochemistry- M0115 | 9.8 | 5.4 | 4.5 | 8.9 | 10. | 4.1 | 14. | 1 | 9.3 |
| 4 | Pathology- M0221 | 7.3 | 10 | 7.8 | 5.5 | 3.8 | 4.1 | 3.8 | 4.1 | 10.9 |
| 5 | Pharmacology and Therapeutics- M0225 | 5.4 | 7.3 | 7.4 | 9.6 | 5.8 | 7.6 | 5.7 | 0 | 5.6 |
| 7 | Microbiology- M0223 | 5.4 | 5.8 | 4.9 | 6.2 | 5.8 | 8.3 | 8 | 10. | 4.4 |
| 8 | Forensic Medicine & Toxicology- M0227 | 5.7 | 7.3 | 7.8 | 9.6 | 4.8 | 9.7 | 5.7 | 1 | 5.6 |
| 9 | Community Medicine- M0331 | 5.7 | 6.9 | 8.2 | 3.4 | 5.2 | 8.3 | 9.4 | 13. | 4.4 |
| 10 | ENT- M0334 | 5.7 | 6.9 | 8.6 | 3.4 | 5.2 | 10. | 5.7 | 13. | 4.4 |
| 11 | Ophthalmology- M0333 | 5.2 | 7.3 | 8.2 | 0 | 6.9 | 6.2 | 8 | 14. | 6.9 |
| 12 | General Medicine & allied- M0442 | 11.4 | 14.2 | 13.1 | 15.8 | 13.4 | 19.3 | 19.8 | 20.4 | 10.5 |
| 13 | General Surgery& allied - M0445 | 11.4 | 13.8 | 7.4 | 6.8 | 13.7 | 10.3 | 8 | 5.1 | 16.9 |
| 14 | OBGY- M0447 | 9.2 | 5 | 11. | 7.5 | 10. | 4.1 | 4.7 | 8.2 | 5.2 |
| 15 | Paediatrics- M0441 | 6.3 | 5 | 7.4 | 12. | 6.5 | 4.8 | 3.8 | 3.1 | 5.2 |