



Dr. D. Y. PATIL VIDYAPEETH, PUNE
(Deemed to be University)

**Syllabus for
III – MBBS
(Part - II)**

2014 - 15
(Amended / Revised upto July 2019)



Dr. D.Y. PATIL VIDYAPEETH, PUNE
(Deemed to be University)

(Re-accredited by NAAC with a CGPA of 3.62 on a four point scale at 'A' Grade)
(An ISO 9001 : 2015 Certified University)

Dr. A. N. Suryakar
Registrar

Ref. No. : DPU/875-VII/2019

Date : 11/09/2019

NOTIFICATION

Whereas in pursuance of the following decisions taken by the Board of Management, it is hereby notified to all concerned that the **"Syllabus for III M.B.B.S. Part-I and Part II-2014-15"** is revised upto July 2019 and hereby published.

- Changes in syllabus for UG and PG in General Medicine, Pulmonary Medicine and General Surgery vide **Resolution No. BM-07-(iii)-4 dated 28th January, 2014.**
- Updation in UG and PG syllabus of General Medicine, **Obstetrics & Gynecology, Orthopedics, Anaesthesiology, ENT and Ophthalmology** vide **Resolution No. BM-04(i)-15, dated 31st March, 2015.**
- Structure format for evolution of History taking for 3rd Semester in General Medicine vide **Resolution No. BM-26(v)-15, dated 29th December, 2015.**
- Replacement of the term "one line answer by one Sentence answer in the Clinical subjects" vide **Resolution No. BM-26(ix)-15, dated 29th December, 2015**
- Introduction of Bioethical aspects in various chapters of all subjects vide **Resolution No. BM-26(xi)-15, dated 29th December, 2015**
- Modifications in UG Syllabus of Psychiatry vide **Resolution No. BM-17(ix)-16, dated 22nd September, 2016.**
- Consideration of weightage to the journal marks in internal assessment of III MBBS Clinical Subjects as continuous day to day assessment vide **Resolution No. BM-05(ii)-17, dated 7th April, 2017.**
- Conduct of prelim exam of 3rd MBBS only after the end of clinical postings, vide **Resolution No. BM-38(ix)-17, dated 27th December, 2017.**
- Enhancement of UG syllabus of General Medicine subject vide **Resolution No. BM-16(x)-18, dated 21st July, 2018.**
- Conduct of P.B.L. classes in E-library in the Department of Paediatrics vide **Resolution No. BM-35(ii)-18, dated 12th October, 2018.**
- Graduate Attributes, Programme Outcomes (POs), Course Outcomes (Cos) and gap analysis for all courses of UG and PG Programmes for Para-Clinical and **Surgical Subjects** vide **Resolution No. BM-10(vii)-19 dated, 12th April, 2019.**
- Interdisciplinary subjects (for **Surgical Subjects**) of M.B.B.S, M.D./M.S. and Super-specialty (D.M./M.Ch.) Programs under the Faculty of Medicine vide **Resolution No. BM-10(viii) dated 12th April, 2019.**




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- Graduate Attributes, Programme Outcomes (POs), Course Outcomes (Cos) outcome analysis of Pos and Cos and mapping with objectives for all courses of UG and PG Programmes of Pre-Clinical and **Medicine** Subjects under the Faculty of Medicine vide **Resolution No. BM-27(x)-19 dated 30th July, 2019.**
- Interdisciplinary subjects (**for Medicine Subjects**) of M.B.B.S, M.D./M.S. and Super-specialty (D.M./M.Ch.) Programs under the Faculty of Medicine vide **Resolution No. BM-27(xi) dated 30th July, 2019.**

The “Syllabus for III M.B.B.S. Part-I and Part II– 2014-15” Revised upto July 2019 will be useful to all the concerned. This will come into force with immediate effect.




(Dr. A. N. Suryakar)
Registrar

Copy to:

1. PS to Chancellor for kind information of Hon'ble Chancellor, Dr. D. Y. Patil Vidyapeeth, Pune.
2. PS to Vice Chancellor for kind information of Hon'ble Vice Chancellor, Dr. D. Y. Patil Vidyapeeth, Pune.
3. The Dean, Dr. D. Y. Patil Medical College Hospital & Research Centre, Pimpri, Pune
4. The Controller of Examinations, Dr. D. Y. Patil Vidyapeeth, Pune.
5. Director (IQAC), Dr. D. Y. Patil Vidyapeeth, Pune.
6. Web Master for uploading on Website.

**MAPPING OF PROGRAMME OUTCOMES [POs] AND COURSE
OUTCOMES [COs] OF MBBS PROGRAMMES**

Course Code	Course Title
MB401	General Medicine & Allied
MB402	General Surgery & Allied
MB403	Obstetrics & Gynaecology
MB404	Paediatrics

General Medicine & allied: (MB401)		
CO No.	At the end of the course, the learner should be able to:	Mapped Programme Outcomes
401.1	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,PO6,PO7,PO8, PO9
401.2	Propose diagnostic and investigative procedures and ability to interpret them	PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO9
401.3	Outline various modes of management including drug therapy especially doses, side effects, toxicity, indications, contraindications and interaction	PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9
401.4	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,PO6,PO7,PO8, PO9
401.5	Recognize geriatric disorders and their management	PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9
401.6	Apply clinical skills of history taking, clinical examination to diagnose common medical disorders and medical emergencies	PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8
401.7	Perform simple routine investigations like haemogram, stool, urine, sputum and other biological fluids	PO1,PO2,PO3,PO4, PO5,PO6,PO7,PO8, PO9
401.8	To interpret simple X-Ray, ECG, CT scan and laboratory report findings	PO1,PO2,PO4,PO5, PO6,PO7,PO9
401.9	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,PO6,PO7,PO8, PO9
401.1	sympathetic and compassionate attitude towards patient and their relatives	PO1,PO2,PO3,PO5, PO7
401.11	A curiosity to learn about medical research	PO1,PO2,PO4, PO5,PO6,PO7,PO8,

General Medicine & allied: (MB401)		
CO No.	At the end of the course, the learner should be able to:	Mapped Programme Outcomes
		PO9
401.12	To correctly record case files, medical certificates	PO1,PO2,PO3,PO5, PO7,PO9
401.13	Diagnose and manage common respiratory illness	PO1,PO2,PO4,PO,P O6,PO7,PO8,PO9
401.14	Should be able to diagnose provisionally Psychiatric disorders	PO1,PO2,PO3,PO5, PO6,PO7,PO8,PO9
401.15	Should be able to diagnose and manage common dermatology problems as physician of first contact	PO1,PO2,PO4,PO, PO6,PO7,PO8,PO9



RESPIRATORY MEDICINE

RESPIRATORY MEDICINE

1. GOALS:

The main aim of teaching the undergraduate students in Tuberculosis is to impart such knowledge and skill that may enable him/her to diagnose and manage common elements affecting the chest with the special emphasis on management and prevention of Tuberculosis, especially National TB control Programme and DOTS.

In view of rapid advances in the field of pulmonology, the student will be given broad knowledge about modern diagnostic and critical care, therapeutic interventions in the field of Pulmonology.

2. OBJECTIVES:

2.1 Knowledge:

At the end of the course of Tuberculosis and Respiratory diseases, the student shall be able to:

2.1.1. Demonstrate sound knowledge of common Chest diseases, their clinical manifestations, including emergent situations and of investigative procedures to confirm their diagnosis.

2.1.2. Demonstrate comprehensive knowledge of various modes of therapy used in treatment of respiratory diseases.

2.1.3. Describe the mode of action of commonly used drugs, their doses, side-effects/toxicity, indications and contra-indications and drug-drug interactions.

2.1.4. Demonstrate commonly used modes of managements inclusive of National Tuberculosis Control Programme and DOTS.

2.2 Skills:

The student shall be able to:

2.2.1. Interview the patient, elicit relevant and correct information and describe the history in chronological order.

2.2.2. Conduct clinical examination, elicit and interpret clinical findings and diagnose common respiratory disorders and emergencies

2.2.3. Perform simple, routine investigative and office procedures required for making the bed side diagnosis, especially sputum collection and examination for etiologic organism especially Acid Fast Bacilli (AFB), interpretation of chest x-ray and respiratory function tests.

2.2.4. Interpret and manage various blood gases and PH abnormalities in the various respiratory diseases.

2.2.5. Manage common diseases, recognizing need for referral for specialized care, in case of inappropriateness of therapeutic response.

2.2.6. Assist in the performance of common procedures, like laryngoscopic examination, pleural aspiration, respiratory physiotherapy, laryngeal intubation, Pleural aspiration and Intercostal drainage.

2.3 Integration:

2.3.1. The broad goal of effective teaching can be obtained through integration with departments of Medicine, Surgery, PSM, Microbiology, Pathology, Radio diagnosis and Pharmacology.

2.3.2. Seminars can be arranged on particular topics and multiple departments can be involved to discuss various angles to the topic.

LECTURE TOPICS: TUBERCULOSIS

- 3.1: History and Epidemiology
- 3.2: Pathogenesis and pathology of TB
- 3.3: Clinical features and diagnosis of TB
- 3.4: Anti-tubercular drugs and Basics of Chemotherapy
- 3.5: Managing treatment failure
- 3.6: RNTCP & DOTS – Modular training
- 3.7: HIV and Tuberculosis
- 3.8: Prevention of Tuberculosis
(Including chemo prophylaxis and BCG)
- 3.9: Extra-pulmonary TB- Part 1
(TB-GIT, TB-GUT)
- 3.10: Extra-pulmonary TB-Part 2
(TB-CNS, TB-spine)
- 3.11: Extra-pulmonary TB- Part 3
(TB-LN, TB- heart and others)

- 3.12: MDR and XDR TB
- 3.13: Role of surgery in TB

LECTURE TOPICS: RESPIRATORY SYSTEM

- 4.1: Applied anatomy and physiology of RS
- 4.2: Pneumonia
- 4.3: Suppurative lung diseases
(Bronchiectasis, Lung abscess)
- 4.4: Pleural Effusion
- 4.5: Bronchial Asthma
- 4.6: COPD
- 4.7: Occupational lung diseases
- 4.8: Mediastinal disorders
- 4.9: Respiratory Emergencies
(Haemoptysis, Pneumothorax)
- 4.10: Lung and pleural malignancies
- 4.11: Syn-pneumonic effusion and Empyema
- 4.12: Respiratory Failure
- 4.13: Intestinal Lung disease
- 4.14: Pulmonary Hypertension

LECTURE CUM DEMONSTRATIONS

- 5.1 Lung function testing and ABG analysis
- 5.2 Asthma and Inhalational devices
- 5.3 Sputum collection and examination
- 5.4 Pulmonary Rehabilitation
- 5.5 Interventional (Tapping, ICD, Bronchoscopy, Pleuroscopy)
- 5.6 Oxygen Therapy
- 5.7 RNTCP- Modular training Part I
- 5.8 RNTCP- Modular training Part II

6. CLINICAL POSTING - 15 DAYS PER BATCH

- 6.1 Two days - 10am to 11am: Ward rounds
- 6.2 One day - 10am to 11am: Hands on training on spirometry, DLCO and Bodybox
- 6.3 One day – 10 am to 11am: bronchoscopy, Pleuroscopy and RNTCP (in Rotation)
- 6.4 Other days – Attend OPD from 10 am to 11am
- 6.5 All days: 11 am-12 noon – Bedside teaching
(Bed side clinics for common respiratory diseases) as per following schedule:

No of days	Teaching topics
03	History
03	RS
01	X-ray
01	Instruments
02	Sundays
01	Exam

CLINICAL POSTING

An Internal assessment exam of 20 marks each will be taken at the end of the clinical posting.

Evaluation pattern for Internal Assessment

Total Marks (20)			
5 marks	5 marks	5 marks	5 marks
X-ray	Instruments	Clinical	General Viva