



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

**Syllabus for
PG Medical Specialties**

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 PG Medical and Surgical Specialties – 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.
- Modifications in pattern of PG practical examinations for MD (General Medicine), MD (Pediatrics), MS (General Surgery), and MS (OBGY) vide Resolution No. BM-26(iv)-15, dated 29th December, 2015.
- Updation in PG syllabus in Radio-Diagnosis subject vide Resolution No. BM-26(vii)-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
- Partial Modifications in Pattern of PG Practical Examinations for MD (General Medicine) and MS (General Surgery) vide Resolution No. BM-17(vii)-16, dated 22nd September, 2016.
- Modifications in the syllabus of MD (Emergency Medicine) vide Resolution No. BM-35(iv)-18, dated 12th October, 2018.
- Changes in teaching and assessment of MS (Ophthalmology), vide Resolution No. BM-35(v)-18, dated 12th October, 2018.
- Changes in the practical examination pattern of M.S. (Orthopedics) vide Resolution No. BM-35(vi)-18, dated 12th October, 2018.
- Change in practical examination pattern of MD (Dermatology) vide Resolution No. BM-35(vii)-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.
- Changes in syllabus of MD (General Medicine) and MD (Psychiatry) vide Resolution No. BM-27(iv)-19 dated 30th July, 2019.
- Modifications in MD (Respiratory Medicine) Practical examination pattern vide Resolution No. BM-27(vii)-19 dated 30th July, 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 PG Medical and Surgical Specialties – 2014-15** is 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 PG PROGRAMMES**

No.	By the end of the programme, the Postgraduate 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

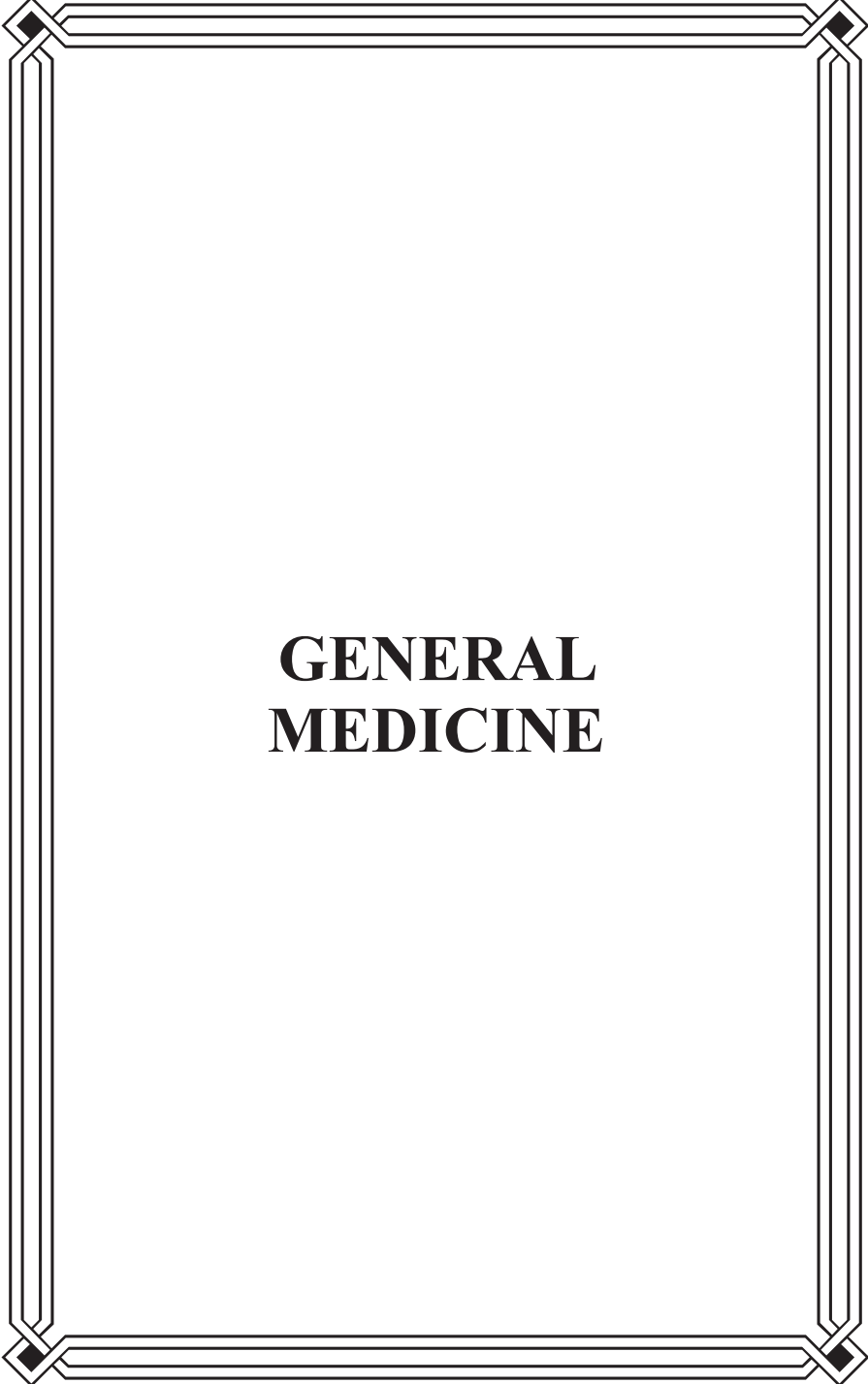
MD GENERAL MEDICINE PROGRAMME

Course Code	Course Title
PGM01	MD General Medicine

PROGRAMME OUTCOMES

CO No.	At the end of the course, the learner should be able to:	Mapped Programme Outcomes
PGM01.1	Practice efficiently internal medicine specialty, backed by scientific knowledge including basic sciences and skills	PO1,PO2,PO3, PO4,PO5, PO6, PO7,PO8, PO9
PGM01.2	Diagnose and manage majority of conditions in his specialty clinically and with the help of relevant investigations	PO1,PO2,PO3, PO4,PO5, PO6, PO7,PO9
PGM01.3	Exercise empathy and a caring attitude and maintain professional integrity, honesty and high ethical standards	PO1,PO3,PO5, PO6,PO7,PO9
PGM01.4	Plan and deliver comprehensive treatment using the principles of rational drug therapy	PO1,PO2,PO3,PO4,PO5, PO6, PO7, PO8,PO9
PGM01.5	Plan and advise measures for the prevention and rehabilitation of patients belonging to his specialty of internal medicine	PO1, PO2, PO3, PO5, PO6, PO7, PO9
PGM01.6	Manage emergencies efficiently by providing Basic Life Support (BLS) and Advanced Life Support (ALS) in emergency situations	PO1,PO2,PO3, PO4, PO5, PO6, PO7, PO8,PO9
PGM01.7	Recognize conditions that may be outside the area of his specialty/competence and refer them to an appropriate super specialist	PO1, PO2, PO3, PO5, PO7
PGM01.8	Demonstrate skills in documentation of case details including epidemiological data	PO1, PO2, PO4, PO5, PO6, PO7, PO8, PO9
PGM01.9	Play the assigned role in the implementation of National Health Programs	PO1,PO2, PO3, PO4, PO5, PO6, PO7, PO8,PO9

CO No.	At the end of the course, the learner should be able to:	Mapped Programme Outcomes
PGM01.10	Demonstrate competence in basic concepts of research methodology and clinical epidemiology; and preventive aspects of various disease states	PO1, PO2, PO3, PO4, PO5, PO6, PO9
PGM01.11	Be a motivated 'teacher' - defined as one keen to share knowledge and skills with a colleague or a junior or any learner	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9
PGM01.12	Continue to evince keen interest in continuing education irrespective of whether he/she is in a teaching institution or is practicing and use appropriate learning resources	PO1, PO3, PO4, PO5, PO6, PO7, PO9
PGM01.13	Be well versed with his medico-legal responsibilities	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9
PGM01.14	Undertake audit, use information technology tools and carry out research - both basic and clinical with the aim of publishing the work and presenting the work at scientific forums.	PO1, PO2, PO3, PO4, PO5, PO6, PO9



GENERAL MEDICINE

GENERAL MEDICINE

PREAMBLE:

The purpose of PG education in General Medicine is to create specialists who would provide high quality health care and advance the cause of science through research & training. A post-graduate student who after undergoing the required training should be able to deal effectively with the needs of the community and should be competent to handle all problems related to his/her specialty including recent advances. The student should also acquire skill in teaching of medical/para-medical students in the subject that he/she has received his/her training. He/she should be aware of his/her limitations. The student is also expected to know the principles of research methodology and modes of accessing literature.

OBJECTIVES OF PG TRAINING IN GENERAL MEDICINE

(Based upon MCI recommendations 2018)

The postgraduate training should enable the student to:

1. Practice efficiently internal medicine specialty, backed by scientific knowledge including basic sciences and skills
2. Diagnose and manage majority of conditions in his specialty (clinically and with the help of relevant investigations
3. Exercise empathy and a caring attitude and maintain professional integrity, honesty and high ethical standards
4. Plan and deliver comprehensive treatment using the principles of rational drug therapy
5. Plan and advise measures for the prevention and rehabilitation of patients belonging to his specialty;
6. Manage emergencies efficiently by providing Basic Life Support (BLS) and Advanced Life Support (ALS) in emergency situations
7. Recognize conditions that may be outside the area of the specialty / competence and refer them to an appropriate specialist
8. Demonstrate skills in documentation of case details including epidemiological data
9. Play the assigned role in the implementation of National Health Programs

10. Demonstrate competence in basic concepts of research methodology and clinical epidemiology; and preventive aspects of various disease states
11. Be a motivated 'teacher' - defined as one keen to share knowledge and skills with a colleague or a junior or any learner
12. Continue to evince keen interest in continuing education irrespective of whether he/she is in a teaching institution or is practicing and use appropriate learning resources
13. Be well versed with his medico-legal responsibilities
14. Undertake audit, use information technology tools and carry out research- both basic and clinical, with the aim of publishing the work and presenting the work at scientific forums.

The intended outcome of training programme is a consultant specialist who can practice medicine at a defined level of competency in different practice settings. i.e. Ambulatory (outpatient), inpatient, intensive care and emergency medicine.

The student is expected to know his subject in depth; however, emphasis should be on the diseases/health problems most prevalent in that area. Knowledge of recent advances and basic sciences as applicable to his/her specialty should get high priority. Competence in skills commensurate with the specialty (actual hands-on training) must be ensured.

No limit can be fixed and no fixed number of topics can be prescribed as course contents.

EXPECTED COMPETENCIES (Based upon MCI recommendations 2018)

Clinical Assessment Skills

- Elicit a detailed clinical history
- Perform a thorough physical examination of all the systems

Procedural skills

- Test dose administration
- Mantoux test
- Sampling of fluid for culture
- IV- Infusions
- Intravenous injections
- Intravenous cannulation
- ECG recording
- Pleural tap
- Lumbar puncture
- TMT
- Holter Monitoring
- Cardiopulmonary Resuscitation (CPR)
- Central venous line insertion, CVP monitoring
- Blood and blood components matching and transfusions
- Arterial puncture for ABG
- Fine needle aspiration cytology (FNAC) from palpable lumps
- Bone marrow aspiration and biopsy
- Abdominal paracentesis - diagnostic
- Aspiration of liver abscess
- Pericardiocentesis
- Joint fluid aspiration
- Liver biopsy
- Nerve/ muscle/ skin/ kidney/ pleural biopsy
- Nebulization
- Inhaler therapy
- Oxygen delivery
- Monitoring a sick person
- Endotracheal intubation
- CPR
- Using a defibrillator
- Pulse oximetry
- Feeding tube/Ryle's tube, stomach wash
- Naso-gastric intubation
- Urinary catheterization – male and female

- Haemodialysis
- Certification of Brain death
- Intercostal tube placement with underwater seal Thoracocentesis
- Sedation, Analgesia

Laboratory-Diagnostic Abilities

- Urine protein, sugar, microscopy
- Peripheral blood smear
- Malarial smear
- Ziehl Nielson smear-sputum, gastric aspirate
- Gram's stain smear-CSF, pus
- Stool pH, occult blood, microscopy
- KOH smear
- Cell count - CSF, pleural, peritoneal, any serous fluid

Observes the procedures

- Subdural, ventricular tap
- Joint Aspiration – Injection

Endoscopic Retrograde Cholangio- Pancreatography (ERCP)

- Peritoneal dialysis

Interpretation Skills

- Clinical data (history and examination findings), formulating a differential diagnosis in
- order of priority, using principles of clinical decision making, plan investigative work-up,
- keeping in mind the cost-effective approach i.e. problem solving and clinical decision making.
- Blood, urine, CSF and fluid investigations - hematology, biochemistry
- X-ray chest, abdomen, bone and joints
- ECG
- Treadmill testing
- ABG analysis
- Ultrasonography
- CT scan chest and abdomen
- CT scan head and spine
- MRI
- Barium studies
- IVP, VUR studies

- Pulmonary function tests
- Immunological investigations
- Echocardiographic studies
- Nerve Conduction studies, EEG, Evoked Potential interpretation

Interpretation under supervision

- Hemodynamic monitoring
- Nuclear isotope scanning
- MRI spectroscopy/SPECT
- Ultrasound guided aspiration and biopsies

Communication skills

- While eliciting clinical history and performing physical examination
- Communicating health, and disease
- Communicating about a seriously ill or mentally abnormal
- Communicating death
- Informed consent
- Empathy with patient and family members
- Referral letters, and replies
- Discharge summaries
- Death certificates
- Pre-test counselling for HIV
- Post-test counselling for HIV
- Pedagogy-teaching students, other health functionaries-lectures, bedside clinics,
- discussions
- Health education - prevention of common medical problems, promoting healthy
- lifestyle, immunization, periodic health screening, counselling skills in risk
- factors for common malignancies, cardiovascular disease, AIDS
- Dietary counseling in health and disease
- Case presentation skills including recording case history/examination, preparing
- follow-up notes, preparing referral notes, oral presentation of new cases/follow-upcases
- Co-coordinating care - team work (with house staff, nurses, faculty etc.)
- Linking patients with community resources
- Providing referral
- Genetic counseling

Others

Demonstrating

- Professionalism
- ethical behavior (humane and professional care to patients)

Utilization of information technology

- Medline search, Internet access, computer usage

Research methodology

- Designing a study
- interpretation and presentation of scientific data

Self-directed learning

- Identifying key information sources
- literature searches
- information management

Therapeutic decision-making

- Managing multiple problems simultaneously
- assessing risks, benefits and costs of treatment options
- Involving patients in decision-making
- selecting specific drugs within classes
- rational use of drugs

PG TEACHING/TRAINING PROGRAMME TIMETABLE

Time: 2.00pm to 3.30pm

Sr. No.	Days	Presentation	Year
1	Every Monday	Seminar	JR- I
2	Every Tuesday	Case Discussion	JR- III
3	Every Wednesday 1 st , 2 nd , 4 th , & 5 th	Journal Class	JR- II
4	Every Thursday	Group Discussion	JR- III
5	3 rd Wednesday of Every Month	CPC/Quiz	JR- III
6	First Friday of Every Month	Departmental Death Audit	JR- II
7	Second Friday of Every Month	Guest Lecture	All JR
8	Last Friday of Every Month	Institutional Clinical Meeting	All JR

- Monthly Video Conference with Johns Hopkins University, USA for Global Grand Rounds in Infectious Diseases on last Wednesday of every month at 5.30pm
- Twice a month Online lectures from Institute of Liver & Biliary Diseases(ILBS), New Delhi with presentation & discussions on difficult cases of hepatobiliary diseases.

ROTATION PROGRAMME

Secondyear PG students are rotated to the allied specialties and as under

1. MICU- 1Month
2. Cardiology -1Month
3. Nephrology- 1Month
4. Neurology- 1Month
5. Emergency Medicine- 1Month
6. Community Health Camps year round by rotation (1 Month)

CERTIFICATE OF ROTATION PROGRAMME

Name of Student: Dr. (Batch 20 -)

Dept.	Date	Signature, Remarks & Stamp of Head
MICU/ICU		
Cardiology		
Nephrology		
Neurology		
Community Camps		
Emergency Medicine		

PG Teaching Incharge

Professor & Hod

(This certificate should to be attached to Logbook)

MONTHLY DUTIES FOR PGS BY ROTATION

- MICU/CCU
- 2D-Echo room
- GI Endoscopy Room
- Community Camps

EXPOSURE TO SPECIALTY CLINICS BY PGs

Sr. No.	Specialty Clinic	On, Tues, Fri	Time
1	Diabetes Clinic	Monday	2pm-4pm
2	Gastroenterology Clinic	Monday	12.30pm-1.30pm
3	Rheumatology Clinic	Tuesday	12 noon-1pm
4	Geriatric Clinic	Wednesday	2pm-4pm
5	Oncology clinic	Friday	11am -12 noon
6	Endocrinology Clinic	Tue/Thurs	12 noon-1pm
7	Cardiology	Mon-Satur	10am -1pm
8	Neurology	Mon-Satur	9am-1pm
9	Nephrology	Mon, Tues,Fri	9am-1pm
10	Hematology	Mon,Wed,Fri	9 am to 1pm

PATTERN OF PG LOGBOOK

LOGBOOK: POST GRADUATE COURSE

Sr. No.	Particular	Page No.
1	Bio-Data	
2	Academic Activities	
3	Clinical and Scientific Meetings	
4	Symposia/Seminars/Workshops	
5	Journal Club	
6	Conference Attended	
7	Research Activities	
8	Teaching Rounds Attended	
9	Case Presentation	
10	Clinics/ Lecture/ Treatment undertaken	
11	Procedures undertaken	
12	For Surgery Subjects	
13	Remarks of the guide including	
14	Seminars	
15	Slide Seminars	
16	Group discussions	
17	Assigned Exercise	
18	Record of intrinsic and extrinsic postings	
19	Undergraduate teaching assignments	
20	Personal Notes	

BIO-DATA

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Full Name of Student :-

Date of Joining :-

Course :-

Date of Birth :-

Permanent Address :-

Telephone No.Office :-

Residence :-

Mobile :-

Local Guardian's Address :-

Telephone No. :-

Campus Address :-

Mobile No.:-

Sr. No.	Degree/ Diploma	University/ Institute	Year of Passing	Attempts	Awards Year

Previous service if any_____

Clinical and Scientific Meeting

Sr. No.	Date	Topic /Discussed Cases

Journal Club

Sr. No.	Date:	Present / Attended
Topic/ Title of Paper		
Journal	Vol._____ Pages_____ Year_____	
Sign. of Faculty -		

Teaching Rounds Attended

Sr. No. Date/Day Name of Professor/ Assoc Prof.

Seminars

Sr. no.	Date:	Present/ Attended
Topic/ Title of Paper		
References, if presented		
Signature -		

ELIGIBILITY CRITERIA FOR APPEARING IN PG EXAMINATION

1. One publication (proof of paper sent/accepted for publication / published)
2. One poster presentation in state/national conference (copy of certificate needed)
3. One oral presentation in state/national conference (certificate needed)
4. Dissertation submission & letter of acceptance (to be obtained from university)

LEAVE RULES :

1. A PG is entitled to 7 days C.L. in one term of 6 months.
2. Total of 10 days of special CL can be availed by PGs in one academic term for attending conferences/ CMEs/Workshops or training programmes.
3. Maternity leave is permitted to female PG students but If her attendance falls below 80%, she will be required to repeat one term.

FORMAT OF PROGRESS REPORT

Dr. D. Y. Patil Medical College, Hospital & Research Centre
(A constituent college of Dr. D. Y. Patil Vidyapeeth)
(Deemed University) Pimpri, Pune-411018

TERM-WISE PROGRESS REPORT OF POST GRADUATE RESIDENTS

Department of : _____

Part – I

(Students Profile)

1. Name of P. G. Resident : _____
2. Name of the PG Course : _____
3. Year of admission : _____
4. Term : From _____ to _____
5. Dissertation Topic : _____
(for Degree Course Only)

6. Name of P.G. Guide : _____
7. Name of the H.O.D. : _____
8. Leave availed during the: _____ period
9. Total percentage of : _____ attendance

Part – II

Assessment according to Clinical/Academic Performance

Grading : A - Above 80%

B - 60% to 80%

C - 50% to 59%

D - Less than 50%

(1) CLINICAL PERFORMANCE (Grading) :

- (i) O.P.D. Work : _____

- (ii) Ward Work : _____

- (iii) O.T. Work : _____

- (iv) Other : _____

(2) PROGRESS OF DISSERTATION (Wherever applicable) :

(3) ACADEMIC PERFORMANCE:

(i) Written Tests:-

Date	Marks obtained

(ii) *Seminar/Symposia:-

Date	Topic	Evaluation

(iii) *Case Presentation:-

Date	Topic	Evaluation

(iv) *Journal Club:-

Date	Topic	Evaluation

(v) Practical /Viva:-

Date	Marks obtained

(vi) *Microteaching:-

Date	Topic	Evaluation

(*May be assessed on a scale of 1 to 10)

(4) PAPERS/POSTERS PRESENTED:-

Sr. No.	Title of Presentation	Paper/ Poster	Event	Month/ Year	Venue

Overall Grading: _____

Part – III

Remarks of Post-Graduate Guide

Certified that Dr. _____ has a total attendance of ____ %

(For duration _____ to _____). His/her overall performance has been _____ (satisfactory/average/unsatisfactory)

Date: _____ Name & Signature of PG Guide

Remarks of Head of Department

Progress of Dr. _____ has been _____ (Satisfactory / Unsatisfactory)

Date: _____ Name & Signature of HOD

Remarks of Dean

(a) Progress _____ (Satisfactory / Unsatisfactory)

(b) Term granted _____ (Yes / No)

Date: _____ Signature of Dean

SYNOPSIS FORMAT

To,

The Dean

Dr. D.Y. Patil Medical College,

Hospital & Research Centre.

Pimpri, Pune.

Subject:- Submission Of Synopsis

Respected sir,

I, _____registered for _____ (April 2013 session) am Submitting Synopsis titled _____ for scientific and Ethics Committee approval. The study will be done under the guidance of _____.

Thanking you,

Signature & Name of PG student

Signature & Name of PG Guide

PROF. AND HOD.

DEPT. OF MEDICINE

Synopsis for Dissertation Topic submitted for degree of _____
(April 2013 to March 2016 Session)

Title :

Name of student :

Name & Designation of Guide :

Name of Department :

Department of Medicine :

SUMMARY SHEET

(To be given by each department)

Name of Department:- Department of Medicine

Sr. No.	Title of Study	PG Student	PG Guide

Prof. & HOD

Dept. of Medicine

Sr. No.	Day	Specialty Clinic	Faculty
1	Monday	Diabetic Clinic	Dr. V. S. Gokhale Dr. Anu Gaikwad
2	Monday	Gastroenterology Clinic	Dr. A. L. Kakrani Dr. A. A. Bamanikar

DISSERTATION FORMAT

Appendix- A

(Cover page)

TITLE

DISSERTATION SUBMITTED TO
DR. D. Y. PATIL VIDYAPEETH
(Deemed University), PUNE,

IN PARTIAL FULFILLMENT OF THREE YEARS FULL
TIME DEGREE PROGRAMME.

Doctor of Medicine (MD)/ Master of Surgery (MS) (Specialty) _____

Name of department _____

Appendix- B

CERTIFICATE BY THE GUIDE

This is to certify that the Dissertation titled “ _____
_____ ” is a bonafide and genuine research work done by
Dr. _____

Under my guidance and supervision, in fulfillment of the requirement for the
degree of Doctor of Medicine/ Master of Surgery (Name of Specialty)_____.

Name and Designation of PG Guide

Department of _____

Dr. D. Y. Patil Medical College,
Pimpri, Pune.

Place:

Date:

Dept. Stamp.

Appendix- C

ENDOREMENT BY THE HEAD OF DEPARTMENT

This is certify that the Dissertation titled “ _____ ” is bonafide and genuine research work done by Dr. _____, under the guidance of Dr. _____ (Name and Designation of Guide), in fulfillment of the requirement for the degree of Doctor of Medicine/ Master of Surgery _____.
(Name of Speciality)

Dr. _____
Prof. and Head

Dept. of _____

Padmashree Dr. D. Y. Patil
Medical college, Pimpri,
Pune.

Place :

Date :

Dept. Stamp.

Appendix- D

CONTENTS OF DISSERTATION

Cover Page

INDEX :

1. Introduction
2. Aims and Objectives
3. Review of Literature
4. Materials and Methods
5. Observations and Results
6. Discussion
7. Conclusions
8. Summery
9. References

APPENDICES :

- A) Consent Form
- B) Proforma / Questionnaire
- C) Master Chart

UNIVERSITY EXAMINATION SYLLABUS

THEORY EXAMINATION :

There will be four Theory papers on four days. The syllabus covered paper wise will be as follow:-

PAPER-I (3 HOURS) MAX MARKS 100

Title: - Basic Sciences, Symptomatology, Infections Genetics, Immunology, Ethics, Nutritional Disorders Basic sciences, Symptomatology of diseases/disorders, Medical Ethics, Tropical & infectious diseases, HIV infection & AIDS, Genetic disorders, Immunology, Nutritional Disorders

Paper-II (3 hours) Max Marks 100

Title: - CVS, RS, Renal, Hemato oncology, Regenerative medicine Diseases of Cardiovascular system, Diseases of Respiratory system, diseases of kidney and urinary tract, Hematology & Oncology, Regenerative Medicine.

Paper-III :(3 hours)Max Marks 100

Title: - GIT, Liver, Musculoskeletal, Toxicology, Endocrines & Metabolic GIT, Diseases of Liver & gall bladder, Pancreas, Bones & joints disorders & connective tissues diseases, Toxicology (insect bites, snake & scorpion bites, poisonings) ,Endocrine/Metabolic diseases.

Paper-IV (3 hours) Max Marks 100

Title: - Recent advances, Drug trials, Critical care, Acid base & Electrolytes, Neurology, Psychiatry & Dermatology.
Recent advances in medicine, new Research & drug trials, Emergency medicine-Intensive care, Acid-Base –Water/ Electrolyte disturbance, Diseases of nervous system and muscle diseases, Basic concepts of psychiatry & dermatology

UNIVERSITY PAPER PATTERN PRACTICAL

Dr. D. Y. Patil Vidyapeeth (Deemed University) Pimpri, Pune- 18

PRACTICAL EXAMINATION PATTERN

Practical examinations for the student admitted in 2012 or earlier will have

1. One Long case 120 marks
2. Two Short cases - 60 marks each
3. Ward Round X 2 – 30 marks each
4. 4 table vivas of 25 marks each (total 100 marks) as mentioned below

Pattern for the batches admitted in year 2015 onwards is as per the following details -

New Pattern of M. D. (Medicine) practical examination	
Clinical (300 marks)	Viva (100 marks)
1) Structured Long case (120 marks)	- Four tables– 25 marks each * Imaging (Xray, USG, CT, MRI) * Lab reports and ECG * Instruments and Drugs * Recent Advances
2) Short Case (2 x 60 marks)(120 marks)	
3) Ward Round – 5 cases (100 marks) 30 marks ICU 30 marks CCU	

INTERNAL ASSESSMENT PATTERN FOR PG STUDENTS

Term	Examination Pattern
Ist	Synopsis writing and Presentation Test of procedures and wards skills
IIInd	Theory examination of seminar topics
IIIrd	Ward round test & ICU skills
IVth	Theory examination covering Symptomatology, Infectious Disease, Genetics Nutrition, Hemato-Oncology, Immunology & Dissertation Progress
Vth	Dissertation Completion & submission, ward round test(five cases)
VIth	Preliminary examination as per University pattern