



**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)  
18th rank in Medical Category and 52nd rank in University Category in India (NIRF-2018)  
(Declared as Category - I University by UGC Under Graded Autonomy Regulations, 2018)  
(An ISO 9001: 2015 Certified University)



**Dr. D. Y. Patil Medical College,  
Hospital & Research Centre,  
Pimpri, Pune - 411018**

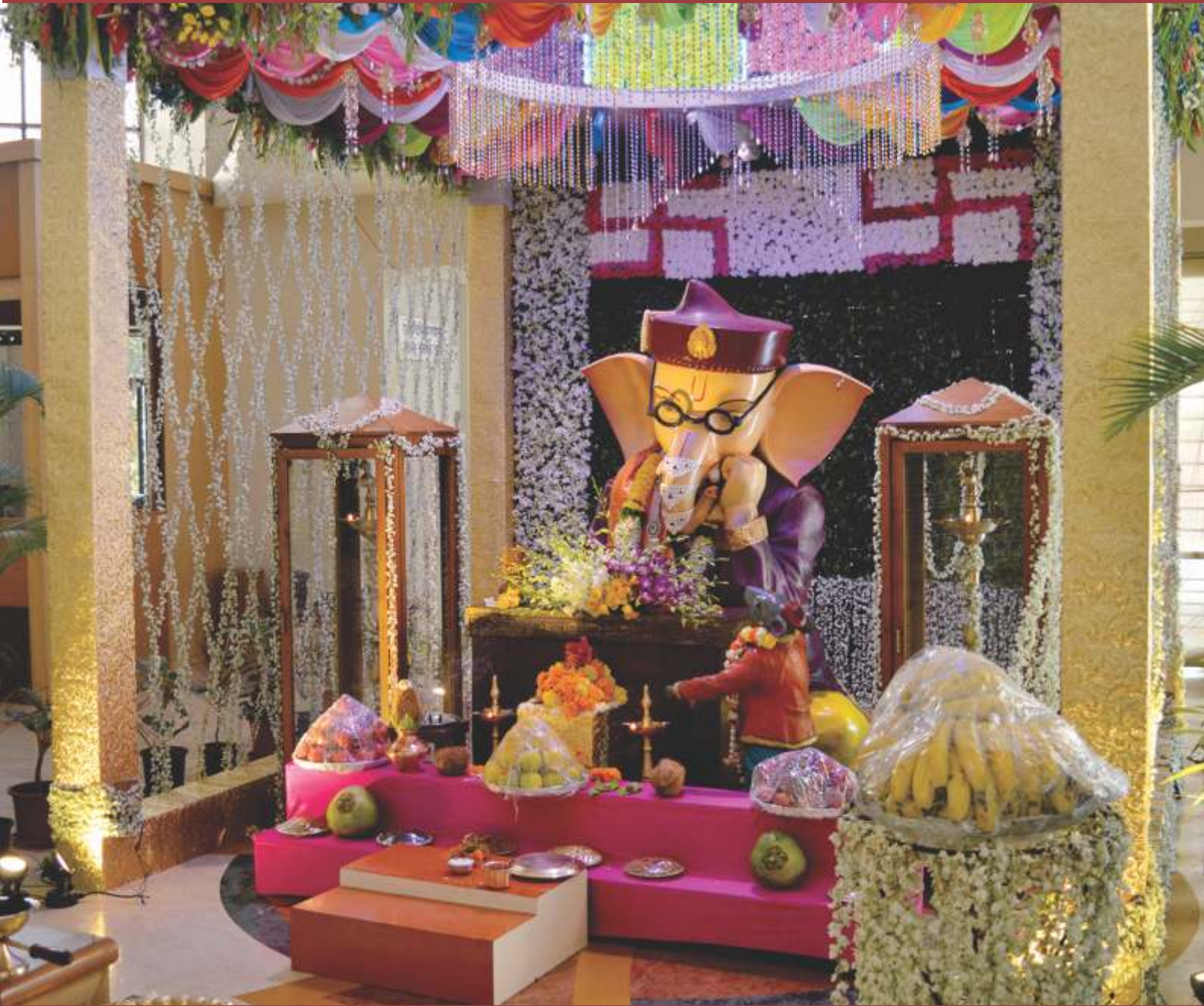
**STUDENT'S HANDBOOK**  
Academic Year 2018-19



# DPU

Dr. D. Y. Patil Vidyapeeth, Pune

Dr. D. Y. Patil Medical College,  
Hospital & Research Centre,  
Pimpri, Pune - 411018



Ganesh Puja 2018

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# Chancellor's Message



Medical education is not a bed of roses. It involves a high level of commitment and regular and sustained work. I, therefore, exhort you to be committed towards this end right from today and remain so throughout your studies.

I welcome you into the precincts of Dr. D. Y. Patil Medical College, Hospital and Research Centre, Pimpri, Pune.

You are among the few fortunate students who have gained admission to such a prestigious College and I wish that you make full use of this opportunity to blossom into one of the best doctors from this College

Please make use of the excellent infrastructure and highly qualified and committed faculty who spare no effort in classroom teaching as well as practical and clinical teaching.

Wish you best of luck.

**Dr. P. D Patil**

Chancellor

Dr. D. Y. Patil Vidyapeeth, Pune

# Vice Chairperson's Message

It is my privilege to share my views through this handbook, the best media to connect the young minds of the Nation. As aptly said by Robert Maynard Hutchins, "The objective of education is to prepare the young to educate themselves throughout their lives".

It gives me immense pleasure to pen a few lines of greetings and good wishes for the 'Hand Book' being published by the College.

In keeping with its mission of academic excellence, Dr. D. Y. Patil Medical College, Hospital & Research Centre, Pune is always continuing its developmental activities, in all fronts, in a bid to create world class Medical College. This is reflected by the consistent expansion of infrastructure, faculty, research contributions and national and international linkages and collaborative initiatives, signaling out globally that College is focused in its activities with its thrust being on developmental activities.

I hope this handbook will cover all aspects which would help students to nourish their knowledge.

I extend my good wishes for the continued growth and good luck in your future endeavour!



**Bhagyashree P. Patil**  
Vice Chairperson,  
Dr. D. Y. Patil Vidyapeeth, Pune

# Vice Chancellor's Message



I extend you a warm welcome to DPU family and wish you a very happy and successful learning process that helps you achieve your dreams and goals.

Dear Student,

Let me take the opportunity to thank you for the trust you have placed in Dr. D. Y. Patil Vidyapeeth, Pune for your professional education and personal growth. This institution offers you a campus with state of art facilities. I am sure that training at our Medical College will equip you better to deal with future challenges by empowering you with global knowledge, discipline and courage. We are striving hard to give our students the best of ambience, excellent living facilities including multi cuisine dining area in addition to value added quality based education.

This handbook will give you information about the resources and activities that the Vidyapeeth has established as part of our commitment to quality and excellence, in the areas of teaching and research. It will provide you with range of activities that have been programmed for the academic year 2018-19

**P. N. Razdan**

Vice-Chancellor

Dr. D. Y. Patil Vidyapeeth, Pune

# Principal Director & CEO's Message

I am delighted to welcome you all to the portals of our prestigious institution Dr. D.Y.Patil Medical College Pune. With your dream of getting admission to MBBS fulfilled, you must now gear up to take up your studies further and shape up your career.

The excellent infrastructure, state of the art library and other facilities and the renowned faculty will help you sail through smoothly. Needless to say that you must work hard and utilize the facilities offered to you to excel and do your best.

At our Institute, there is opportunity for you to enhance your abilities to have a great educational experience. This handbook provides a wealth of information about available resources, student responsibilities and academic procedures.

I wish you good luck



**Dr. Amarjit Singh**

Principal Director & CEO

Dr. D. Y. Patil Vidyapeeth, Pune

# Director Academics' Message



The student handbook is intended to provide a brief, concise and understandable overview of some of the most important opportunities and expectations that anchor on progress.

I extend a very warm welcome to you all! I am glad that you have taken the right decision of joining Dr.D.Y.Patil Medical College, Hospital and Research Centre, Pune for your further studies. I am sure that it will prove to be an intense, challenging and rewarding learning experience for your professional and personal growth.

First year students, during the next few months you will be transitioning into this new journey in your lives socially, intellectually, emotionally, spiritually, and psychologically. We are here to support and encourage you.

I wish you good luck and success in your Career.

**Dr. P. Vatsalaswamy**

Director Academics



# Dean's Message

It gives me immense pleasure to pen a few lines of greetings and good wishes for the 'Hand Book' being published by the College. I hope this publication will cover all aspects which would help students to nourish their knowledge. Yes, I firmly believe "Knowledge is Power".

You will be proud to know that this institution has made legendary strides since its inception in 1996. It has achieved phenomenal success in a very short time.

Academic excellence and professionalism displayed by the Graduates and Postgraduates from this College have won them accolades globally. The College strives hard to help you to achieve your goal of becoming dedicated and compassionate Doctor.

I wish you very happy times at this great temple of learning.



**Dr. J. S. Bhawalkar**  
Dean



## Dr. D. Y. Patil Vidyapeeth, Pune

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## Dr. D. Y. Patil Medical College, Hospital & Research Centre, Pimpri, Pune

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Dr. D. Y. Patil Vidyapeeth Campus, Sant Tukaram Nagar, Pimpri, Pune 411018. Phone: 020 2780 5000 | 2780 5100 E mail: info.medical@dpu.edu.in



Dr. P. D. Patil  
Chancellor

The mission of the Vidyapeeth is to contribute to the socio-economic & ethical development of the nation, by providing high quality education through instructions that have dedicated faculty & state-of-the-art infrastructure, and are capable of developing competent professionals & liberal-minded citizens.

DPU is endeavoring to groom competent professionals in diverse fields.

With a focus on experimental learning, our institutes enable students to apply & practice skills in real life situations, making them better Employable in the current global scenario.

### Salient Features:

- Dr. D. Y. Patil Vidyapeeth, Pune is vibrant academic institution providing of high quality education and training in health care, biotechnology and management.
- The overall ambience in the campus reflects visionary leadership and cordial and inclusive approach in the functioning of the Institution.
- Classroom teaching is supplemented by interactive learning through seminars, group discussions and encouraging e-learning and use of on-line resources.
- Medical College Hospital and Dental College clinical laboratories, OTs, ICUs etc. equipped with the state of hi-tech equipments and machines for advanced care and research and world class library.
- Centre of Excellence for clinical trials by SIDA, WHO, ICMR, DBT etc.
- Vidyapeeth promotes various outreach activities in areas ranging from health & hygiene to environmental consciousness, community orientation, gender sensitizations and women empowerment through NSS.
- Environment friendly—green policy adopted.
- State of art Dental Implant Center, Regenerative Lab. and Molecular Diagnostic Lab.
- Collaboration with eminent national and international universities, institutions and Organisations.
- Academic-industry linkage to develop indigenous technologies and promote skill-based training.

The Vidyapeeth offers following programmes through its constituent units

Name of the constituent unit	Programmes
Dr. D. Y. Patil Medical College, Hospital & Research Centre, Pimpri, Pune	<ul style="list-style-type: none"> <li>MBBS</li> <li>M.D. (in 15 specialties)</li> <li>M.S. (in 5 specialties)</li> <li>M.Sc. (in 5 specialties)</li> <li>M. Ch. (Neurosurgery), (Urology), (CVTS)</li> <li>D.M. (Nephrology), (Cardiology), (Neurology)</li> </ul>
Dr. D. Y. Patil Dental College & Hospital, Pimpri, Pune	<ul style="list-style-type: none"> <li>BDS</li> <li>MDS (9 specialties)</li> <li>DIPLOMA in Dental Mechanics</li> </ul>
Dr. D. Y. Patil Biotechnology & Bioinformatics Institute, Tathawade, Pune	<ul style="list-style-type: none"> <li>B. Tech. (Biotechnology)</li> <li>B. Tech. (Medical Biotechnology)</li> <li>M. Tech. (Biotechnology) (Integrated)</li> <li>M. Sc. (Biotechnology)</li> </ul>
Global Business School & Research, Centre, Tathawade, Pune	<ul style="list-style-type: none"> <li>B.B.A</li> <li>M.B.A</li> </ul>
Dr. D. Y. Patil College of Nursing, Pimpri, Pune	<ul style="list-style-type: none"> <li>B. Sc. (Nursing)</li> <li>P.B.B.Sc. (Nursing)</li> <li>M. Sc. (Nursing) (in 4 specialties)</li> </ul>
Dr. D. Y. Patil College of Physiotherapy, Pimpri, Pune	<ul style="list-style-type: none"> <li>BPT</li> <li>MPT (in 8 specialties)</li> </ul>
Institute of Optometry & Visual Sciences, Pimpri, Pune	<ul style="list-style-type: none"> <li>B. Optom.</li> <li>M. Optom. (in 2 specialties)</li> </ul>
Institute of Distance Learning, Pimpri, Pune	<ul style="list-style-type: none"> <li>MBA (2 Years)</li> </ul>
Dr. D. Y. Patil College of Ayurved & Research Centre, Pimpri, Pune	<ul style="list-style-type: none"> <li>BAMS</li> <li>M.D. (in 11 specialties)</li> <li>M.S. (in 3 specialties)</li> </ul>
Dr. D. Y. Patil Homoeopathic Medical College & Research Centre, Pimpri, Pune	<ul style="list-style-type: none"> <li>BHMS</li> <li>M.D. (in 3 specialties)</li> </ul>
<ul style="list-style-type: none"> <li>Ph.D. in all Faculties (Medicine, Dentistry, Nursing, Physiotherapy, Biotechnology &amp; Bioinformatics, Management, Ayurved and Homoeopathy)</li> </ul>	

Vision 2025: "To develop a knowledge centre which will be recognized for its academic pursuit not only in India but also globally".

## Diploma / Certificate / Fellowship Programmes in the Constituent Colleges / Institutes

### Faculty of Medicine:

- Fellowship in Neonatology
- Fellowship in Pediatrics Neurology
- Fellowship in Musculoskeletal Imaging
- Fellowship in Breast Imaging
- Fellowship in Clinical Orientation and Counseling Psychiatry
- Certificate Course in Adolescent Health
- Certificate Course in Early Interventions and Development Therapy
- Certificate Course in Clinical Echocardiography
- Certificate Course in Karyotyping
- Certificate Course in Organ Transplant Coordinator

- Certificate Course in Medical Record Librarian
- Certificate Course in Urology Technician
- Certificate Course in X-Ray Technician
- Certificate Course in CT Scan Technician
- Certificate Course in MRI Technician

### Faculty of Dentistry

- Fellowship in Dental Implantology
- Certificate Course of Geriatric Dentistry
- Certificate course in Basic Oral Implantology

### Faculty of Nursing

- Certificate Course in Critical Care Nursing
- Short Term Course of Home Health Worker
- Short term Course of Diet Assistant

- Faculty of Allied Medical Sciences
- Post Graduate Diploma in Manual Therapy

### Faculty of Biotechnology

- Certificate Course in Entrepreneurship Development

### Faculty of Ayurved

- Diploma in Yoga
- Certificate Courses in (Garbhasanskar, Panchakarma Therapist)
- Basic Short Term Courses in (Vadatu Samskrutam Cha Samhitayaha Avbodhanan, Ayurveda, Marma Sharir, Ayurved Aahaar, Ayurveda Panchakarma)





## OUR VISION

Single window delivery of health care services  
Total quality management in service & education  
Unique work culture in alleviating human sufferings  
To train general, specialized, allied & supportive professionals  
To meet regional & national health care needs  
Work relentlessly to contribute  
To global health care, knowledge & skills  
Be efficient, effective, community acceptable, and Excel in service, education & research  
To impart knowledge & interact with organizations Of similar interest  
To induce paradigm shift in Community attitude that many human diseases are Preventable, curable & affordable  
Foster global competencies, inculcating value System among learners  
Promote technology of relevance  
Reach the unreachable with awareness, education & service  
Serve the underserved **Excellent health care education & service systems**  
**For community development**





## OUR MISSION

Learner centered health care education  
**Community oriented research** Patient centered  
service Strong community relationship  
Community oriented extension services Referral  
service center Serve the underserved  
Professionalism in education, service and  
**Management to meet regional and national  
needs Strategic future oriented planning** Inter  
organizational linkage Unique organizational  
culture **Excellent health care education & service  
systems For community development**

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## Vision – 2025

"To develop knowledge center  
this will be recognized for its  
academic pursuit not only in  
India but also globally"

## **Dr. D.Y. Patil Vidyapeeth, Pune**

### **Goals and Objectives**

- To create institutions for higher education at undergraduate, postgraduate and research degree levels as per the need of the society, in the areas of health, engineering and technology; arts; fine-,performing- and applied arts, science, commerce, education, architecture, pharmacy, management, hotel management and catering technology, travel and tourism, finance, law, agriculture, co-operation, rural development, and such other branches or specializations of learning, as may be considered appropriate from time to time, fully confirming to the concept of the University, namely, University Education Report (1948) and the Report of the Committee on Renovation and Rejuvenation of Higher Education in India (2009) and the Report of the Review Committee for Deemed to be Universities (2009).
- To carry out instruction and training, distinguishable from programmes of ordinary nature, for making distinctive contributions in the areas of specializations as may be determined from time to time.
- To create or establish institutions for high quality teaching and research; for advancement of knowledge and its dissemination through various research programmes undertaken in-house by substantial number of full time faculty / research scholars in diverse disciplines.
- To conduct all the activities, programmes, courses of studies, research, development, examinations, evaluations and those related to smooth functioning of the Institute
- To create, conduct and carry out instructions and training in any of the above-mentioned areas, as may be determined from time to time by formal, non-formal, distance, correspondence, open and / or any other mode of learning or instruction.
- To provide for field research, extension programmes and extra-curricular and / or extra-mural studies that contributes to the development of society.
- To establish and conduct the colleges and institutions of higher education and of specialized studies, in India or abroad, independently or in collaboration with other organization or organizations.
- To promote curricular, co-curricular activities, sports activities, etc. for the overall personality development of the students.
- To extend the benefit of knowledge and skills for the development of individuals and society by associating itself with local and regional problems and development.
- To establish and conduct centres of social changes and extension, provide for health care, promote awareness about personal, community and social health, hygiene and well-being particularly amongst villagers and industrial workers.
- To make special efforts to promote national integration and preserve cultural heritage, in general, and of India in particular.
- To generate, promote and preserve a sense of self-respect and dignity among citizens in general, and among weaker sections of society and women in particular.
- To promote freedom, equality, social justice and secularism as advocated and enshrined in the Constitution of India, and to promote the spirit of intellectual inquiry, pursuit of sustained excellence, tolerance and mutual understanding.
- To be a catalytic agent in socio-economic transformation by promoting basic attitudes and values of essence for national development.
- To provide for administrative and financial support, infrastructure and other services for effective and efficient management of the activities of the educational institutions.
- To modify, amend, amplify, extend, expand or abridge, delete any of these provisions in order to improve, encompass any of the aims and objects in order to serve the Nation and the society better.
- To undertake such other actions and do such other things as may be necessary or desirable for the furtherance of the aims and objectives enumerated in these at present or as may be expedient in future.

### **Membership – National and International bodies**

- Association of Indian Universities (AIU), New Delhi
- Association of Commonwealth University (ACU), UK
- International Association of University Presidents (IAUP), US

### **Recognitions**

- Re-Accredited by National Assessment and Accreditation Council (NAAC) with a CGPA of 3.62 on a four point scale at "A" Grade.
- ISO 9001:2015 certified
- NIRF - 18th All India Rank 2017

### **International Research Collaborations:**

- International assignments for Teaching, Research & Consultancy and for exploring possible exchanges are a regular feature at DPU. In order to expand students' horizons and generate job opportunities, DPU has collaborated with many reputed institutions worldwide. The International linkages of DPU have helped it in drawing upon the wisdom built up at the partner institutions of repute.
- The Department of **Global Health Education, Johns Hopkins University** has sent their students in batches to the medical and nursing institutes of DPU to provide global health training to their students at DPU by fostering a collaborative learning environment under their Global Health leadership programme. Last year a group of engineering and medical students from John Hopkins University were with us to discuss the development of innovative and low cost patented medical devices for developing countries.
- DPU is starting an **inter-disciplinary collaborative research project with Johns Hopkins University** on "Bacterial and antimicrobial resistance pattern in Pune, India in febrile illness" which will involve the Departments of Microbiology along with the Department of Medicine & Department of Paediatrics of our Medical College.
- Harvard Medical School Centre for Global Health Diversity Dubai "Assessing Pathways to care among tuberculosis (TB) and drug-resistant tuberculosis (DR-TB) patients in

Pune City, India; a Biosocial inquiry" and TB-

- DM international collaboration.
- Surindra Rajabhat University Thailand has been assigned for Research and collaboration with DPU
- Four students from Biotechnology Institute of DPU will be going to University of Skovde for the autumn/spring semester commencing 2017-18 to perform research project under the bilateral agreement signed between DPU and University of Skovde Sweden.
- Linnaeus –Palme teachers exchange program between DPU and University of Skovde, has been granted by the Swedish Council of Higher Educations, under which two faculty members from DPU will be going to university of Skovde, for teaching for a period of one month and similarly two faculty members from University of Skovde, Sweden will be involved for teaching in DPU in the autumn semester commencing in August 2016
- The Department of Physiology in collaboration with Diabetes & Islet Biology Group of University of Sydney, Australia is performing collaborative research under nutrition & Pancreatic regeneration.
- The Dental College of DPU has initiated number of an inter-disciplinary collaborative research projects with Biohorizon, USA on use Bioactive Glass & Freeze Dried Bone Allograft in different periodontal pathologies and surgeries.
- The Dental College of DPU under a MoU with University of Hong Kong, faculty of Dentistry, is pursuing a joint collaborative research project on "Microbial & Host Derived biomarkers in Peri Implant mucositis in relation to periodontal status."

### **Highlights of the University**

- Highly qualified, experienced and competent senior faculty as per regulations of the statutory bodies over and above the prescribed strength to lead the departments and institutions.
- Regular up-gradation of Curriculum.
- Encouragement for research activities with emphasis on development of a scientific temper among undergraduates as well.



- Well-stocked Central Learning Resource Centre with latest reference Books & Journals both in print and electronic form.
- State-of-the-art infrastructure.
- Continuing Education Programmes.
- Latest teaching-learning facilities including Tele-conferencing facility and other modes of e-learning.
- Alumni Association.
- All-round professional development.
- Extra-Curricular activities.
- Transportation facility.

### **Information about College and Hospital**

Dr. D. Y. Patil Medical College, Hospital and Research Centre Pimpri, Pune - 18 established in 1996, received recognition of the Medical Council of India (MCI) for the award of MBBS degree from its very first batch. Dr. D.Y. Patil Vidyapeeth, Pune has been accorded the status of University under section 3 of the UGC Act, 1956, vide notification No. F.9-39/2001-U.3 dated 11th Jan. 2003 of the Government of India. This College is the first one in the state of Maharashtra to have 250 seats for the MBBS Course.

**Dr. D.Y. Patil Medical College, Hospital & Research Centre, Pimpri, Pune - 411 018**

**Dr. D. Y. Patil Vidyapeeth Pune is ranked among top 10 Medical Universities in the Country: survey conducted by: India Today (July 11, 2016) & Top 2nd Private University & again in top 5 medical Universities in 2017.**

**DPU Pune is Re-Accredited by NAAC in 2015 'A' Grade: with CGPA of 3.62 on a four point scale, ISO 9001:2015 Certified Vidyapeeth in 2015**

**National Institutional Ranking Framework (NIRF) 2018, Conducted by MHRD**

- **79th in Overall Category in India**
- **52nd University in the Country**
- **Dr. D. Y. Patil Medical College, Hospital & Research Centre, Pimpri, Pune is 18th in Medical Category in India**

In 2003, the college was permitted to teach post-graduate courses in a couple of subjects. In June 2005, the college was sanctioned an intake of 81 students in post graduate degree and diploma courses and presently there are

443 PG and Superspeciality Students in the

following 25 subjects: General Surgery, Obstetrics & Gynecology, Orthopedics, Ophthalmology, E.N.T. (Oto Rhino Laryngology) General Medicine, Pediatrics, Anesthesiology, Psychiatry, Radio-diagnosis, Respiratory Medicine, Dermatology, Venereology and leprosy, Pathology, Community Medicine, Pharmacology, Microbiology, Anatomy, Physiology, Biochemistry and Emergency Medicine, Neurosurgery, Urology and Nephrology, Cardiology and Neurology.

All the courses conducted at this College have been recognized by Medical Council of India.

The recognitions and expansions granted by the MCI, UGC, MHRD and by the Ministry of Health & Family Welfare, Government of India are the result of visionary guidance and whole hearted support of our Chancellor the efforts put in by the faculty and the excellent facilities like spacious buildings, measuring 4,50,000 sq.ft. fully air conditioned lecture halls with modern amenities, well-equipped laboratories, well-stocked library, a hospital with super-specialty facilities such as Dialysis, MRI, whole body CT Scan, DSA, Color Doppler, ICUs and equipment required for Neurosurgery, cath Lab, Cardiothoracic surgery etc.

Besides regular lectures and practicals, the college gives due importance to research. Several research proposals of post-graduate students and of the faculty members are approved and funded by National funding agencies, such as Indian Council of Medical Research (ICMR), DST as well as Dr D.Y. Patil Vidyapeeth, Pune. The involvement of the undergraduate in research activities is noteworthy. The college boasts of a significant number of ICMR short term student projects every year. In fact, more than 100 projects have been completed in last 5 years by our undergraduates.

## The Campus



### Lecture Halls - Empowering with knowledge

The college has eight well laid-out air conditioned lecture halls; five with seating capacity of 300 each. The desks are well spaced out and halls are air conditioned, well-lit and have fine acoustics. Each hall has the latest audio-visual teaching aids, including e-learning facilities.



### College Campus - Learning with Spirit

Dr. D. Y. Patil Vidyapeeth and Dr. D. Y. Patil Medical College, Hospital and Research Centre are located in the same sprawling campus at Pimpri, Pune. The college building is a masterpiece of architecture and has state-of-the-art facilities that are in tune with the best in the world. The college building basks in fine aesthetics and is impressive. It has a mural of Lord Dhanvantari on its façade and the magnificent fiber glass dome that can be seen from miles around.

## The Facilities

### Auditorium - Inculcating Versatility

The Auditorium is centrally air-conditioned and is fully equipped with audio-visual facilities. It has a seating capacity of 250 and is being extensively used for seminars, symposia, guest lectures, etc.



## Learning -Resource Centre

The college has an excellent world class central library facility. It has a total floor area of **4000sq.m** with a provision for a separate reading room for the teaching staff and spacious reading halls to accommodate over 750 students. The total collection of the library is more than **26535** books. The Library subscribes to most of the National and International Journals required for the undergraduate and post-graduate students and faculty apart from 2047 online journals.



Library is equipped with 52 computer terminals with IT facilities, so that students can access more than 20147 online journals, 200 physical hard copy journals are available of 114 are national and 86 are international. 14 magazines and 930 digitized collections are also available in Central library. In addition to the central library facility, each Department has its own Departmental Library. The reading Room of the central library is kept open for 16 hours a day. The central library has been provided with Wi-Fi internet facility and students and the faculty have open access to this facility. As the College and hostels are 'Wi-Fi' enabled, the students can access information from any point anywhere.

## Hostels - Home away from Home

The College has well-furnished boys and girls hostels in the campus. The hostel rooms are well furnished. Round the clock security is provided. There is a cafeteria attached to each hostel. The hostels have mess facility, reading rooms, recreational areas with T. V. and indoor game facilities like those of carom, table tennis, etc. These hostels are managed by wardens and rectors. The hostels have a well-equipped gym under the supervision of a physical trainer.





### **The International student experience**

Ever since its inception, International students have been a part of Dr D.Y. Patil Vidyapeeth, Pune drawn from countries all over the globe. Students have found the University a home away from home. Separate comfortable housing is available for International students. Broadband connectivity ensures that the students are in touch with only a click. An International student counselor provides individualized attention to the need of international students of the mouse.

### **Student Counselling – Parental Care**

Students admitted to the first year MBBS are from 10+2 stream and there is a structural difference between the school and college education. Therefore, for smooth integration, group of students are allotted to a faculty member who acts as their Mentor during the course. Regular counselling sessions are arranged for the fresh students. Senior members of the faculty look after this activity. Every attempt is made to ensure that students feel confident and fully secure and the changeover is smooth.

### **Student Personality Development**

Along with the academics the students' also participate in Social events, Annual Cultural, Literary, Art events and Sports, research activities, Conferences, personality Development sessions etc.

### **Parent Teacher Organization- Teaming Up**

Parent Teacher Organization is a unique feature of our College. Parents and teachers interact with each other regularly to ensure the well being of their wards. College maintains regular communication with parents informing about the progress of their wards. This is another step towards helping the student adjust to a new environment. Parents, being one of the important stakeholders provide us with valuable inputs from time to time.

### **Departments of the College**

The College has a comprehensive set of departments made for complete learning.

#### **The departments have:**

1. Highly qualified and experienced staff as per the norms laid down by the Medical

Council of India (MCI).

2. Museums with multitude of specimens for student study and reference.
3. Well-stocked departmental libraries with latest reference books and journals.
4. OHP, LCD projectors, 35mm Slide projector, Computers and CD-ROMs.
5. Well planned laboratories with all modern equipments.
6. Skills Lab.
7. Research Laboratories.

### **Institute Journal**

Institute is publishing peer reviewed journal namely Medical Journal of Dr. D.Y. Patil University [MJDRDYPUP] with print ISSN: 0975-2870; E-ISSN 2278-7118 which is indexed with or included in DOAJ, Index Copernicus, Indian Science Abstracts.

### **The Faculty**

The college has a team of dedicated and highly qualified faculty in all specialties with vast teaching experience both at undergraduate and post graduate levels. The faculty is involved in continuous, relevant and innovative research programmes. Innovative teaching learning modules are introduced to enhance performance of the student. They are also invited as guest speakers at many well known institutions in the country. Senior members of the teaching staff are invited as paper setters, examiners and moderators by various universities all over India. The college deputed its faculty to attend workshops, seminars, conferences, symposia, CME etc., frequently. The quality of teaching is evident from the excellent results of the college.

### **Feedback DPU**

DPU has fine tuned its 360° feedback mechanism on curriculum aspects that involves students, peers and alumni. Such feedback from stakeholders and its analysis, both manual and online has given tremendous impact on the revision of curriculum design. The corrective measures and appropriate actions have been taken to upgrade the curriculum and reconstructing of syllabi, resulting in expected learning outcome.

## The Hospital

A good hospital gives any medical College a fine learning reputation. The hospital provides ample and varied clinical material to the students, enabling them to be conversant with multitudes of ailments, infirmities and diseases and treatment thereon.

Dr. D. Y. Patil Medical College, Hospital and Research Centre, Pimpri, Pune caters to clinical services through ambulatory, indoor and outreach components.

The Hospital runs ambulatory services through OPDs dedicated to 21 branches, of which 5 are Medicine & allied, 5 are Surgery & allied and 11 are Super specialty subjects including Anesthesiology, Radiology & Emergency Medicine.

All OPDs are specious with examination rooms and equipped with relevant diagnostic equipments of latest and global standards, upgraded from time to time.

The indoor facility of hospital has 61 Modern General Wards with special services and Unique designs and décor in strict adherence to MCI specification. A special toilet for physically disabled patients in every ward as per Supreme Court of India directives and 1510 beds dedicated to different specialities in proportion to the number of under graduation, post-graduation and super specialty students studying for MBBS, MD, MS, M.Ch. and DM. The number of students is 250 admissions per year for MBBS, 171 for Post-graduation and 18 for Super specialization. There are facilities for PhD in all subjects.

For critical care services, we have Intensive Care Units (ICUs) equipped with monitors, ventilators and the modern medical equipment as the services demand.

The Medical ICU with 15 beds capacity (10 ICU and 5 ICCU), Surgical (10 ICU) with (5 Neurosurgery and 5 OBGY), 35 beds capacity for Pediatrics (15 PICU & 20 NICU), 7[RICU] with all sophisticated and modern facilities are available under the charge of highly qualified and experienced Doctors. Apart from it, 66 ICU beds for various specialties are available. Hospital has 18 Modular operation theaters including MAQUET and DRAGGER operation theatre systems. **The latest addition is DAVINCI 4th generation Robot for Robotic Surgery.** The modular operation theatre system is supported by state of art CSSD besides 7 operation

theatres and one in Emergency Medicine department in the old building with CSSD. More than 20 ICU beds are ready to care for the increasing demand of sophisticated ICU facilities for coronary interventions and 8 for recovery of cardio vascular Surgery and Thoracic Surgery patients. Two Cardiac Cath labs are there for Cardiac intervention with state of art infrastructure.

The ultramodern ventilators and multi parametric monitors with central monitoring system are available. Highly trained and experienced staff and nurses are available.

The Department of Radio-diagnosis and Imaging is very well equipped and is one of the best Centers in Pune. In a bid to provide better health care facilities to the patients and society, the hospital has Siemens Avanto 1.5 Tesla Magnetic Resonance Imaging (MRI) machine with matrix and has state-of-the-art latest model of Siemens 3 Tesla Veda MRI that has been installed recently.

The Department of Radio-diagnosis, incorporating the newer ideas and most up-to-date features, has facilities, DSA and two CT Scanners. A digital Mammography unit helps in early diagnosis and management of breast disease. The Department also has High Resolution Colour Doppler and Ultrasonography units with all the latest probes. Digital Radiography, Conventional X-ray units and image intensifier provide the ultra modern radiography set up.

For emergency care, the Department of Emergency Medicine is highly equipped with 30 beds running 24x7 manned by specialists, assisted by 10 doctors and support staff.

There is a haemodialysis unit with 20 dialysis machines running round the clock.

**Latest Addition** – 3 Tesla Vida MRI Scanner,

## Other Facilities

- Well-equipped clinical and non-clinical departments, The following have 24 X 7 services:
  - i) Radio Diagnostics
  - ii) Highly equipped CCL Lab
  - iii) Blood Bank
  - iv) Human Milk Bank
  - v) Well Stocked Pharmacy
  - vi) Ambulance Services
- Modern and supportive diagnostic services
- Two CSSD's
- Emergency and trauma care.
- Geriatric Centre
- Endoscopy procedures like gastroscopy, colonoscopy, cystoscopy, bronchoscopy, thoracoscopy, etc. are performed regularly for persuasion of research.
- Organ Transplant Programme
- MIS
- Laundry, Food & Beverages Services

## Expansion projects in progress

- Developing super specialty medical services in 6 disciplines every year to achieve a target of 50 such services in 10 years, kidneys transplants and start liver transplant.
- Expansion of haemodialysis services with 25 machines with an objective to serve 100 dialysis per day.
- IVF centre
- Day care surgery services
- Bone marrow transplantation services
- Epilepsy surgery centre
- Multi-disciplinary tumor clinic with special attention to breast disease
- Simulator/skill laboratory

## Disciplined conduct of the student

### 1.1 Obligations of the Student

- 1.1.1 Conduct himself/herself properly
- 1.1.2 Maintain proper behavior.
- 1.1.3 Observe strict discipline both within the campus & outside of the Institution, and also in Hostel.
- 1.1.4 Ensure that no act of this consciously or unconsciously brings the Institution or any establishment or authority connected with it into disrespect.

1.2 Any act/s of the student which is contrary to the clause (1), shall constitute **misconduct and/or indiscipline**, which include any one or more of the acts jointly or severally, mentioned hereinafter;

- 1.2.1 Any act of the student which directly or indirectly causes or attempts to cause disturbance in the lawful functioning of the Institution.
- 1.2.2 The student who is repeatedly absent from the class, lectures, tutorials, practicals and other courses.
- 1.2.3 The student not abiding by the instructions of the Faculty members and not interacting with them with due respect.
- 1.2.4 Any student found misbehaving in the campus/class or behaving arrogantly, violently towards the faculty, staff or fellow student.
- 1.2.5 The Students who is not present for all the class tests, midterm tests, terminal and preliminary examinations.
- 1.2.6 Permitting or conniving with any person/parent/guardian, which is not authorized to occupy hostel room, residential quarter, or any other accommodation or any part thereof of the Institution.
- 1.2.7 Obstruction to any student or group of students in any legitimate activities, in classrooms/laboratories/field or places of social and cultural activities within the campus of the Institute.
- 1.2.8 Possessing or using any fire arms, lethal weapon, explosives, or



## Forensic Medicine Museum



Anatomy Museum



Pathology Museum



Community Medicine Museum



# HI-Tech Hospital

OPD, ICU'S, MRI, Operation Theatres



O.P.D.



ICU's



MRI



Operation Theatres



## Infrastructure



Students' Lounges



MICU



Spacious Corridors



College Canteen



College Canteen



Learning Resource Centre or Central Library



dangerous substances in the premises of the Institution.

- 1.2.9 Indulging in any act which would cause embarrassment or annoyance to any student/authority/staff or any member of the staff.
- 1.2.10 Stealing or damaging any farm produce or any property belonging to the Institution, staff member or student.
- 1.2.11 Securing admission in the Institution, to any undergraduate or post graduate programme or any other course by fabrication or suppression of facts or information.
- 1.2.12 If the student fails to complete the assignments regularly and has poor academic performance as assessed by the regular class teachers and internal assessment, he/ she will not be allowed to appear for the Vidyapeeth examination.
- 1.2.13 If a student remains absent for lectures, practical or class test and examinations without prior permission of the Principal or the head of the departments, she/he will not be compensated for extra class.
- 1.2.14 Students should read the notices regularly on notice boards in the academic complex, library and the department notice boards.
- 1.2.15 Damage of property of the college and its sister institutes like tampering with fixtures, fittings, equipments, instruments, furniture, books, periodicals, walls, windows panels, vehicles etc., will be viewed very seriously.
- 1.2.16 Recording of any electronic images in the form of photographs, audio or video recording of any person without the person's knowledge; when such recording is likely to cause injury, distress, or damage the reputation of such person; is prohibited in any part of the College and hostel premises. The storing, sharing or distributing of such unauthorized records by any

means is also prohibited.

- 1.2.17 Use of mobile phones and head phones during college hours is prohibited.
- 1.2.18 As per the rules and regulations of the Dr. D. Y. Patil Vidyapeeth, Pimpri, Pune, 75% attendance in a subject for appearing in the examination is compulsory inclusive of attendance in non-lecture teaching i.e. seminars, group discussion, tutorials, demonstrations, practical's, hospital (tertiary, secondary, primary) posting and bedside clinics etc.
- 1.2.19 The Students must present in proper dress code with apron/ lab coat, name badge and identity card on all week days /working days and during clinical duties.
- 1.2.20 Admission of the student will be cancelled at any point of time in case of;
  - 1.2.20.1 Not submitting the required documents in time.
  - 1.2.20.2 Failing to fulfill required eligibility criteria of the programme.
  - 1.2.20.3 Submission of fake or incorrect documents.
  - 1.2.20.4 Admission gained by resorting to fraudulent means, illegal gratification or any unfair practice detected at any stage during the entire programme.
  - 1.2.20.5 Not paying the stipulated fees on time.

### **1.3 Prohibition of Ragging:**

- 1.3.1 Ragging in any form is strictly prohibited in the campus and outside. The UGC Regulations on "Curbing the Menace of Ragging in Higher Educational Institutions, 2009" (as amended) and the MCI (Prevention and Prohibiting Ragging in Medical Colleges/ Institutions) Regulations 2009, and DCI Regulations on Curbing the Menace of Ragging in Dental Colleges, 2009 shall be applicable to all students of the Vidyapeeth.
- 1.3.2 It is mandatory to fill the online Anti



Ragging undertaking, by every student at the time of the admission and on commencement of every academic year.

- 1.3.3 Smoking or consumption of alcoholic beverages, or use of banned materials inside the College, Hostel and Campus is strictly prohibited.. Any violation on the part of the students will be viewed very seriously and they will be suspended from the college immediately pending enquiry and in the case of hostellers, they will be expelled from the hostels immediately. Such students will not be permitted to attend classes/sit for examinations and enter the campus without the written permission of the competent Authority.

#### **1.4 Attendance & Progress:**

Each student shall always maintain decency, decorum and good conduct, besides keeping steady progress and required attendance. The conduct/ academic performance/ attendance of each student shall be reviewed periodically and appropriate action, including detaining from appearing for the Vidyapeeth Exam/ expelling from the Hostel or College, as the case may be, will be taken against the erring student. The students shall abide by such decision of the authorities of the Institution/ Vidyapeeth.

#### **1.5 Payment of Tuition and Other Fees**

- 1.5.1 On admission of candidates to the first year of the course of study, all the fees mentioned in the letter of admission, viz., annual tuition fee, registration and eligibility fee, health insurance, caution deposit, hostel and mess fee, etc., as applicable, should be paid on or before the prescribed date without fail. Any delay will attract payment of penalty as specified. If any candidate fails to remit tuition fee and other fees within the last date as notified, he/she will forfeit his/her admission to the course concerned.
- 1.5.2 In respect of subsequent year(s) of study, tuition fee and other specified fees shall be paid on or before the date as notified to the parents/students and on the Notice Board of the Institution /College concerned. Late payment, if any, will

attract penalty as specified.

- 1.5.3 Similarly, examination fee, as prescribed and notified from time to time, shall be paid on or before the due date. If there is any delay, it will attract penalty as specified. If any student fails to remit the examination fee even after lapse of the period specified for payment with penalty, such student will not be issued Hall Ticket for the Vidyapeeth examination(s)/ debarred from appearing for the Vidyapeeth examination(s).
- 1.5.4 All fees, once paid to the Vidyapeeth account, will not be refunded or adjusted for any other purpose under any circumstance.

#### **1.6 Rules relating to Vidyapeeth Examinations**

- 1.6.1 The candidates appearing for the Vidyapeeth theory examinations shall be under the direct disciplinary control of the Centre Incharge. Possession of cell phone or any electronic device or incriminatory materials by a candidate or found copying from any device in the examination hall, is strictly prohibited.
- 1.6.2 Disciplinary action will be initiated if any candidate indulges in any malpractice (unfair means) as enumerated in the Vidyapeeth Examination Manual.

#### **1.7 Rules for Hostel Students**

All inmates of the Hostel shall observe the following rules for the smooth and efficient running of the hostel and for their comfortable stay:-

- 1.7.1 Only bonafide students of Vidyapeeth are eligible for admission to the hostels.
- 1.7.2 Students, who fail to remit the Hostel fee when they fall due, even after a reminder in writing, shall vacate the hostel room allotted to them, forthwith.
- 1.7.3 No posters or pictures should be stuck inside and outside the room or anywhere around the premises of the hostel or College. Hostlers should avoid sticking bills and posters on the windows, doors and walls (except name strips on the

room door). In case the room is found not in order, fine will be levied on the erring student.

- 1.7.4 Inmates should switch off fans and lights before leaving their rooms.
- 1.7.5 The inmates are advised to close the taps after use in order to avoid wastage of water.
- 1.7.6 Dining services will be provided only in the mess and there will be no room service.
- 1.7.7 Whenever any hosteller falls sick the same should be reported by his/her to the warden who will provide all necessary assistance to get appropriate treatment or medicines.
- 1.7.8 While going out of hostel the students should enter their name in the register & sign the same by mentioning proper reason.
- 1.7.9 To leave the hostel premises, permission of the Chief Warden is absolutely necessary. Students who want to stay overnight to visit their parents or guardians should approach the Chief Warden for permission. Permission will be granted only after obtaining written request from the parent/guardian duly signed by them, which will be duly entered in a register maintained in each block by the Warden.
- 1.7.10 All rooms, corridors, toilets etc. must be kept clean and any student who violates the rule shall be expelled from the hostel.
- 1.7.11 Hostel facility is provided with a view to help the student to pursue his/her studies in good environment and to facilitate/promote his/her academic progress. A student who fails to keep up the congenial atmosphere and environment in the Hostel or to perform well and maintain academic progress shall not be allowed to use the hostel facility and shall vacate his/her room immediately on intimation from the Chief Warden/Dean/Principal/Director of Faculties.

All students will be governed by the rules stated above and by those that will be framed from time to time during the academic year.

Failure on the part of the students to abide by

the disciplinary rules will result in such punishment including expulsion from the College/Hostel as may be imposed by the Institution/Vidyapeeth/Head of the Institution.

The decision of the Institution / Vidyapeeth / Head of the Institution with regard to disciplinary cases shall be final and all the students shall abide by such decisions.

### **1.8 Powers of Competent Authority (Dean / Principal / Director / Registrar at the Institute level)**

The Competent authority may impose any one or more of the following punishment/s on the student found guilty of misconduct, indiscipline, in proportion thereof:

- 1.8.1 Warning/reprimand
- 1.8.2 Fine
- 1.8.3 Cancellation/withheld scholarship/award/prize/medal.
- 1.8.4 Expulsion from the Hostel.
- 1.8.5 Expulsion from the institution
- 1.8.6 Cancellation of the result of the student concerned in the examination of the Institution.
- 1.8.7 Temporary annulment from the Hostel/ Institution.
- 1.8.8 Rustication from the Institution.

### **1.9 Procedure for Inquiry**

If the competent authority is satisfied that there is a prima facie case inflicting penalties, mentioned in clause No. 8, the authority shall make inquiry, in following manner:

- 1.9.1 Due notice in writing shall be given to the student concerned about his alleged act of misconduct/indiscipline.
- 1.9.2 Student charged shall be required within 15 days of the notice to submit his/her written representation about such charge/s.
- 1.9.3 If the student fails to submit written representation within specified time limit, the inquiry may be held exparte.
- 1.9.4 If the student charged desired to see the relevant documents, such of the documents, as are being taken into

consideration for the purpose of proving the charge/s, may at the discretion of the inquiry authority, be shown to the student.

1.9.5 The student charged shall be required to produce documents, if any in support of his defense. The inquiry authority may admit relevant evidence/documents.

1.9.6 Inquiry Authority shall record findings on each implication of misconduct or indiscipline, and the reason for such finding and submit the report along with proceedings to the competent Authority

1.9.7 The competent Authority on the basis of

findings, shall pass such orders as it deems fit.

**Provided: Procedure prescribed above need not be followed, when the student charged admits the charges in writing.**

1.10 Appeal If the punishment / fine / rustication is imposed on a student by Dean / Principal/ Director, such student shall be entitled to prefer an appeal before the Vice- Chancellor within thirty (30) days of the receipt of the order.

### **Special Instructions Regarding Ragging**

The students of the University are hereby informed that "Ragging" in the any form is strictly prohibited. The University strictly enforces anti-ragging measures. It is needless to explain about the harassment, humiliation and sufferings to which the new entrants would be subjected to in the name of "Ragging" which is inhuman and intolerable. The Management will enforce strict discipline among the students of the University and ensure that the University is a model institution free from ragging. The students are therefore strictly warned to refrain from involving in any ragging activities. Those who indulge in ragging in any form shall be expelled immediately from the College and Hostel and are liable for punishment under the Medical Council of India/University Grant Commission/ Maharashtra State prohibition of ragging act and as per directives of the Supreme Court of India issued from time to time.

The "UGC Regulations on curbing the menace of ragging in higher education institutions, 2009 & The Medical Council of India (Prevention and prohibition of ragging in Medical Colleges /Institutions) regulations 2009" have been adopted by the University and are applicable to the students of the University. The full text of the regulations is reproduced below for information and strict adherence by the students.

### **Important Note**

Every student who joins a course of study and who is already undergoing a course of study should submit the following declaration (and any other declaration as may be prescribed from time to time, in accordance with the above rules) duly signed at the time of admission and also as and when required during the course of his/her study in the University.

Each student and parent/guardian is required to submit an affidavit on paper separately in the form prescribed in Annexure I and Annexure II regarding curbing the menace of ragging (specimen copy enclosed.)





**D.Y. Patil Vidyapeeth**  
Deemed to be University  
Pimpri, Pune – 411 018

**Curbing the Menace of Ragging in  
Higher Educational Institutions Regulations 2009.**  
(Under Section 26 (1) (g) of the University Grants Commission Act, 1956)  
(To be published in the gazette of India part III, Section- 4)

**F.1-16 / 2007 (CPP-II)**

**Dated 17th June, 2009.**

**Preamble**

In view of the direction of the Hon'ble Supreme Court in the matter of "University of Kerala v/s. Council, Principals, Colleges and others" in SLP no. 24295 of 2006 dated 16.05.2007 and the dated 08.05.2009 in Civil Appeal number 887 of 2009, and in consideration of the determination of the Central Government and the University Grants Commission to prohibit, prevent and eliminate the scourge of ragging including any conduct by any student or student whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or including in rowdy or in-disciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any student, in all higher education institutions in the country, and thereby, to provide for the healthy development, physically and psychologically, of all students, the University Grant Commission, in consultation with the Councils, brings forth this Regulation.

**In exercise of the powers conferred by Clause (g) of sub-section (1) of Section 26 of the University Grants Commission Act, 1956, the University Grant Commission hereby makes the following Regulations, namely;**

**\*\* As amended vide Notification dated 08.10.2012 published in the Gazette of India dated 10.11.2012**

**1. Title, commencement and applicability:**

- 1.1 These regulations shall be called the "UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009".
- 1.2 They shall come into force from the date of their publication in the Official Gazette.
- 1.3 They shall apply to all the institution coming within the definition of an University under sub-section (f) of section (2) of the University Grants Commission Act, 1956, to all other higher educational institutions, or elements of such universities or institutions, including its department, constituent units and all the premises, whether being academic, residential, playgrounds, canteen, or other such premises of such universities, deemed university and higher educational institutions, whether located within the campus or outside, and to all means of transportations of students, whether public or private, accessed by students for the pursuit of studies in such universities, deemed university and higher educational institutions.

## 2. Objective:

To prohibit any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other students, or indulging in rowdy or in-disciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any student; and thereby, to eliminate ragging in all its forms from universities, deemed universities and other higher educational institutions in the country by prohibiting it under these Regulations, preventing its occurrence and punishing those who indulge in ragging as provided for in these Regulations and the appropriate law in force.

## 3. What constitutes Ragging: Ragging constitutes one or more of any the following acts:

- a) Any conduct by any student or students whether by words spoken or written or by an act which has the effect of treating or handling with rudeness a fresher or any other student;
- b) Including in rowdy or in-disciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;
- c) Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;
- d) Any act by the senior student that prevent, disrupts or disturbs the regular academic activity of any other student or a fresher;
- e) Exploiting the service of a fresher or any other student for completing the academic

tasks assigned to an individual or a group of students;

- f) Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;
- g) Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health person.
- h) Any act or abuse by spoken words, e-mails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other students;
- i) Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other students.

## 4. Definitions:

### 1. In these regulations unless the context otherwise requires,-

- (a) "Act" means, the university Grant Commission Act, 1956 (3 of 1956);
- (b) "Academic year" means the period from commencement of admission of students in any course of study in the institution up to the completion of academic requirements for that particular year;
- (c) "Anti-Ragging Helpline" means the Helpline established under clause (a) of Regulation 8.1 of these Regulation.
- (d) "Commission" means the University Grant Commission;
- (e) "Council" means a body so constituted by an Act of Parliament or an Act of any State Legislature for setting, or co-ordinating or maintaining standards in the relevant areas of higher education, such as the All India Council for Technical Education (AICTE), the Bar Council of India (BCI), the Dental Council of India (DCI), the Distance Education Council (DEC), the Indian Council of Agricultural Research (ICAR), the Indian Nursing Council (INC), the Medical Council of India

(MCI), the National Council for Teacher Education (NCTE), the Pharmacy Council of India (PCI), etc. and the state Higher Education Councils.

- (f) "District Level Anti-Ragging Committee" means the Committee, headed by the district Magistrate, constituted by the State Government, for the control and elimination of ragging in institutions with the jurisdiction of the district.
- (g) "Head of the institution" means the Vice-Chancellor in case of university or a deemed to be university, the Principal or the Director or such other designation as the executive head of the institution or the college is referred.
- (h) "Fresher" means a student who has been admitted to an institution and who is undergoing his/her first year of study in such institution.
- (i) "Institution" means a higher educational institution including, but not limited to an university, a deemed to be university, a college, an institute, an institution of national importance set up by an Act of Parliament or a constitute unit of such institution, imparting higher education beyond 12 years of schooling leading to, but not necessarily culminating in, a degree (graduate, postgraduate and/or higher level) and/or to a university diploma.
- (j) "NAAC" means the National Academic and Accreditation Council established by Commission under section 12(ccc) of the Act;
- (k) "State Level Monitoring Cell" means the body constituted by the State Government for the control and elimination of ragging in institution within the jurisdiction of the State, established under a State Law or on the advice of the Central Government, as the case may be.

**2. Words and expression used and not defined herein but defined in the Act or in the General Clauses Act, 1897, shall have the meanings respectively assigned to them in the Act in the General Clauses Act, 1897, as the case may be.**

**5. Measures for prohibition of ragging at the institution level:**

- (a) No institution or any part of it thereof, including its elements, including, but not limited to, the departments, constituent units, colleges, centers of studies and all its premises, whether academic, residential, playgrounds, or canteen, whether located within the campus or outside, and all means of transportation of students, whether public or private, accessed by students for the pursuit of studies in such institution, shall permit or condone any reported incident of ragging in any form; and all institution shall take all necessary and required measures, including but not limited to the provision of these Regulation, to achieve the objective of eliminating ragging, with the institution or outside;
- (b) All institutions shall take action in according with these Regulations against those found guilty of ragging and/or abetting ragging, actively or passively, or being part of a conspiracy to promote ragging.

**6. Measures for prevention of ragging at the institution level:-**

**6.1 An institution shall take the following steps in regards to admission or registration of students; namely;**

- (a) Every public declaration of intent by any institution, in any electronic, audio-visual or print or any media, for admission of students to any course of study shall expressly provide that ragging is totally prohibited in the institution, and anyone found guilty of ragging and/or abetting ragging, whether actively or passively, or being a part of a conspiracy to promote ragging, is liable to be punished in accordance with these Regulations as well as under the provision of any penal law for the time being in force.
- (b) The brochure of admission/instruction booklet or the prospectus, whether in print or electronic format, shall prominently print these Regulations in full.

Provided that the institution shall also draw attention to any law concerning ragging and its consequences, as may be applicable to the institution publishing such brochure of admission/instruction booklet or the prospectus.

Provided further that the telephone numbers of the Anti-Ragging Helpline and all the important functionaries in the institution, including but not limited to the Head of the institution, faculty members, members of the Anti-Ragging Committees and Anti-Ragging Squads, District and Sub-Divisional authorities, Warden of hostels, and other functionaries or authorities where relevant, shall be published in brochure of admission / instruction booklet or the prospectus.

- (c) Where an institution is affiliated to a University and publishes brochure of admission/instruction booklet or a prospectus, the affiliating university shall ensure that the affiliated institution shall comply with the provisions of clause (a) and clause (b) of Regulation 6.1 of these Regulations.
- (d) The application from for admission, enrolment or registration shall contain an affidavit, mandatorily in English and Hindi and/or one of the regional languages known to the applicant, as provided in the English language in Annexure I to these Regulation, to be filled up and signed by the applicant to the effect that he/she has read and understood the provision of these Regulations as well as the provisions of any other law for the time being in force, and is aware of the prohibition of ragging and the punishment prescribed, both under penal laws as well as under these Regulation and also affirm to the further aver that he/she would not indulge, actively or passively, in the act or abet the act of ragging and if found guilty of ragging and/or abetting ragging, is liable to be proceeded against under these Regulations or under any penal law or any other law for the time being in force and such action would include but is not limited to debarment or expulsion of such student.
- (e) The application form for admission, enrolment or registration shall contain an affidavit, mandatorily known to the parents/guardians of the applicant, as provided in the English language in Annexure I to these Regulations, to be filled up and signed by the parents/guardians of these applicant to the effect that he/she has read and understood the provision of these Regulation as well as the provisions of

any other law for the time being in force, and is aware of the prohibition of ragging and the punishment prescribed, both under penal laws as well as under these Regulations and also affirm to the effect that his/her ward has not been expelled and/or debarred by any institution and further aver that his/her ward would not indulge, actively or passively, in the act or abet the act or ragging and if found guilty of ragging and/or abetting ragging, his/her ward is liable to be proceeded against under these Regulation or under any penal law or any other law for the time being in force and such action would include but is not limited to debarment or expulsion of his/herward.

- (f) The application for admission shall be accompanied by a document in the form of, or annexed to, the School Leaving Certificate/Transfer Certificate/ Migration Certificate/ Character Certificate reporting on the inter-personal/ social behavioral pattern of the applicant, to be issued by the school or institution last attended by the applicant, so that the institution can thereafter keep watch on the applicant, if admitted, whose behavior has been commented in such document.
- (g) A student seeking admission to a hostel forming part of the institution, or seeking to reside in any temporary premises not forming part of the institution, including a private commercially managed lodge or hostel, shall have to submit additional affidavits countersigned by his/her parents/guardians in the form prescribed in Annexure I and Annexure II to these Regulation respectively along with his/her application.
- (h) Before the commencement of the academic session in any institution, the Head of the institution shall convene and address a meeting of various functionaries/ agencies, such as Hostel Wardens, representatives of students, parents/guardians, faculty, district administration including the police, to discuss the measures to be taken prevent ragging in the institution and steps to be taken to identify those indulging in or abetting ragging and punish them.
- (i) The institution shall, to make the community at large and the students in



particular aware of the dehumanizing effect of ragging, and the approach of the institution towards those indulging in ragging, prominently display posters depicting the provisions of penal law applicable to incidents of ragging and the provisions of these Regulations and also any other law for the time being in force, and the punishment thereof, shall be prominently displayed on Notice Boards of all departments, hostel and other buildings as well as at places, where students normally gather and at places, known to be vulnerable to occurrences of ragging incidents.

- (j) The institution shall request the media to give adequate publicity to the law prohibiting ragging and the negative aspects of ragging and the institution's resolve to ban ragging and punish those found guilty without fear or favour.
- (K) The institution shall identify, properly illuminate and keep a close watch on all locations known to be vulnerable to occurrences of ragging incidents.
- (l) The institution shall tighten security in its premises, especially at vulnerable places and intense policing by Anti-Ragging Squad, referred to in these Regulations and volunteers, if any, shall be resorted to at such points at odd hours during the first few months of the academic session.
- (m) The institution shall utilize the vacation period before the start of the new academic year to launch a publicity campaign against ragging through posters, leaflets and such other means, as may be desirable or required, to promote the objectives of these Regulations.
- (n) The faculties / departments / units of the institution shall have induction arrangements, including those which anticipate, identify and plan to meet any special needs of any specific section of students, in place well in advance of the beginning of the academic year with an aim to promote objectives of this Regulation.
- (o) Every institution shall engage or seek the assistance of professional counselor before the commencement of the academic session, to be available when required by the institution for the purpose of offering counseling to fresher and to other students

after the commencement of the academic year.

- (p) The head of the institution shall provide information to the local police and local authorities, the details of every privately commercially managed hostels or lodges used for residential purposes by students enrolled in the institution and the head of the institution shall also ensure that the Anti-Ragging Squad shall ensure vigil in such locations to prevent the occurrence of ragging therein.

**6.2 An institution shall, on admission or enrolment or registration of students, take the following steps, namely;**

- (a) Every fresh students admitted to the institution shall be given a printed leaflet detailing to whom he/she has to turn to for help and guidance for various purpose including address and telephone numbers, so as to enable the student to contact the concerned person at any time, if and when required, of the Anti-Ragging Helpline referred to in these Regulations, Wardens, Head of the institution, all members of the anti-ragging squads and committees, relevant district and police authorities.
- (b) The institution, through the leaflet specified in clause (a) of Regulation 6.2 of these Regulations shall explain to the fresher, the arrangements made for their induction and orientation which promote efficient and effective means of integrating them fully as students with those already admitted to the institution in earlier years.
- (c) The leaflet specified in clause (a) of Regulation 6.2 of these regulations shall inform the fresher about their rights as bona fide students of the institution and clearly instructing them that they should desist from doing anything, with or against their will, even if ordered to by the seniors students, and that any attempt of ragging shall be promptly reported to the Anti-Ragging Squad or to the Warden or to the Head of the institution, as the case may be.
- (d) The leaflet specified in clause (a) of Regulation 6.2 of these Regulations shall contain a calendar of events and activities laid down by the institution to facilitate and complement familiarization of fresher with the academic environment of the institution.

- (e) The institution shall, on the arrival of senior students after the first week or after the second week, as the case may be, schedule orientation programmes as follows, namely; (i) joint sensitization programme and counseling of both fresher and senior students by a professional counselor, referred to in clause (o) of Regulations 6.1 of these Regulations; (ii) joint orientation programme of fresher and senior to be addressed by the Head of the institution and the anti-ragging committee; (iii) organization on a large scale of cultural, sports and other activities to provide a platform for the fresher and senior to interact in the presence of faculty members; (iv) in the hostel, the warden should address all students; and may request two junior colleagues from the college faculty to assist the warden by becoming resident tutors for a temporary duration. (v) as far as possible faculty members should dine with the hostel residents in their respective hostels to instill a feeling confidence among the freshers.
- (f) The institution shall set up appropriate committees, including the course-un-charge, student advisor, Wardens and some senior students as its members, to actively monitor, promote and regulate healthy interaction between the freshers, junior students and senior students.
- (g) Freshers or any other student(s), whether being victims, or witnesses, in any incident of ragging, shall be encouraged to report such occurrence, and the identity of such informants shall be protected and shall not be subject to any adverse consequence only for the reason for having reported such incidents.
- (h) Each batch of freshers, on arrival at the institution, shall be divided into small groups and each groups shall be assigned to a member of the faculty, who shall interact individually with each member of the group every day for ascertaining the problems or difficulties, if any, faced by the fresher in the institution and shall extend necessary help to the fresher on overcoming the same.
- (i) It shall be the responsibility to the member of the faculty assigned to the group of fresher, to coordinate with the wardens of the hostels and to make surprise visit to the room in such hostel, where a member or members of the group are lodged; and such member of faculty shall maintain a dairy of his/her interaction with the freshers under his/her charge.
- (j) Freshers shall be lodged, as far as may be, in a separate hostel block, and where such facilities are not available, the institution shall ensure that access of seniors to accommodation allotted to freshers is strictly monitored by wardens, security guards and other staff of the institution.
- (k) A round the clock vigil against in the hostel premises, in order to prevent ragging in the hostel after the classes are over, shall be ensured by the institution.
- (l) It shall be the responsibility of the parents/guardians of freshers to promptly bring any instance of ragging to the notice of the head of the Institution.
- (m) Every student studying in the institution and his/her parents/guardians shall provide the specific affidavits required under clauses (d), (e) and (g) of Regulation 6.1 of these Regulation, as the case may be, during each academic year.
- (n) Every institution shall obtain the affidavit form every student as referred to above in clause (m) of Regulation 6.2 and maintain a proper record of the same and to ensure its safe upkeep thereof, including maintaining the copies of the affidavit in an electronic form, to be accessed easily when required either by the Commission or any of the Councils or by the affiliating University or by any other person or organization authorized to do so.
- (o) Every student at the time of his/her registration shall inform the institution about his/her place of residence while pursuing the course of study, and In case the student has not decided his/her place of residence or intends to change the same, the details of his place of residence shall be provided immediately on deciding the same; and specifically in regard to a private commercially managed lodge or hostel where he/she has taken up residence.
- (p) The Head of institution shall, on the basis of the information provided by the student under clause (o) of Regulation 6.2,

apportion sectors to be assigned to members of the faculty, so that such members of faculty can maintain vigil and report any incident of ragging outside the campus or en route while commuting to the institution using any means of transportation of students, whether public or private.

- (q) The Head of the institution shall, at the end of each academic year, send a letter to the parents/guardians of the students who are completing their first year in the institution, informing them about these Regulations and any law for the time being in force prohibiting ragging and the punishment thereof as well as punishment prescribed under the penal law, and appealing to them to impress upon their wards to desist from indulging in ragging on their return to the institution at the beginning of the academic session next.

### **6.3 Every institution shall constitute the following bodies; namely,**

- (a) Every institution shall constitute a Committee to be known as the Anti-Ragging Committee to be nominated and headed by the Head of the institution, and consisting of representatives of civil and police administration, local media, Non Government Organization involved in youth activities, representatives of faculty members, representatives of parents, representatives of students belonging to the freshers' category as well as senior students, non-teaching staff; and shall have a diverse mix of membership in terms of level as well as gender.
- (b) It shall be the duty of the Anti-Ragging Committee to ensure compliance with the provision of these Regulations as well as the provision of any law for the time being in force concerning ragging; and also to monitor and oversee the performance of the Anti-Ragging Squad in prevention of ragging in the institution.
- (c) Every institution shall also constitute a smaller body to be known as the Anti-Ragging Squad to be nominated by the Head of the Institution with such representation as may be considered necessary for maintaining vigil, oversight and patrolling function and shall remain mobile, alert and active at all times.

Provided that the Anti-Ragging Squad shall have representation of various members of the campus community and shall have no outside representation.

- (d) It shall be the duty of the Anti-Ragging Squad to be called upon to make surprise raids on hostels, and other places vulnerable to incidents of, and having the potential of, ragging and shall be empowered to inspect such places.
- (e) It shall also be the duty of Anti-Ragging Squad to conduct an on-the-spot enquiry into any incidents of ragging referred to it by the Head of the institution or any member of the faculty or any member of the staff or any student or any parent or guardian or any employee of a service provider or by any other person, as the case may be; and the enquiry report along with recommendations shall be submitted to the Anti-Ragging Committee for action under clause (a) of Regulation 9.1.

Provided that the Anti-Ragging Squad shall conduct such enquiry observing a fair transparent procedure and the principles of natural justice and after giving adequate opportunity to the student or students accused of ragging and other witnesses to place before it the facts, documents and views concerning the incident of ragging, and considering such other relevant information as may be required.

- (f) Every institution shall, at the end of each academic year, in order to promote the objectives of these Regulations, constitute a Mentoring Cell consisting of students volunteering to be Mentor for freshers, in the succeeding academic year; and there shall be as many levels or tiers of Mentors as the number of batches in the institution, at the rate of one Mentor of six freshers and one Mentor of a higher level for six Mentors of the lower level.
- (g) Every institution shall, constitute a body to be known as Monitoring Cell on Ragging, which shall coordinating with the affiliated colleges and institution under the domain of the University to achieve the objectives of these Regulations; and the Monitoring Cell shall call for reports from the Head of institution in regard to the activities of the Anti-Ragging Committees, Anti-Ragging Squads, and the Mentoring Cells at the institution, and it shall also keep itself

abreast of the decisions of the District level Anti-Ragging Committee headed by the District Magistrate.

- (h) The Monitoring Cell shall also review the efforts made by institution to publicize anti-ragging measures, soliciting of affidavits from parents/guardians and from students, each academic year, to abstain from ragging activities or willingness to be penalized for violations; and shall function as the prime mover for initiating action on the part of the appropriate authorities of the university for amending the Statutes or Ordinances or By-laws to facilitate the implementation of anti-ragging measures at the level of the institution.

#### **6.4 Every institution shall take the following other measures, namely,**

- (a) Each hostel or a place where groups of students reside, forming part of the institution, shall have a full-time Warden, to be appointed by the institution as per the eligibility criteria laid down for the post reflecting both the command and control aspects of maintaining discipline and preventing incidents of ragging within the hostel, as well as the softer skills of counseling and communicating with the youth outside the class-room situation; and who shall reside within the hostel, or at the very least, in the close vicinity thereof.
- (b) The Warden shall be accessible at all hours and be available on telephone and other modes of communication, and for the purpose the Warden shall be provided with a mobile phone by the institution, the number of which shall be publicized among all students residing in the hostel.
- (c) The institution shall review and suitably enhance the powers of Wardens; and the security personnel posted in hostels shall be under the direct control of the Warden and their performance shall be assessed by them.
- (d) The professional counselor referred to under clause (o) of Regulation 6.1 of these Regulation shall, at the time of admission, counsel freshers and/or any other students(s) desiring counseling, in order to prepare them for the life ahead, particularly in regard to the life in hostels and to extent possible, also involve parents and teachers in the counseling sessions.
- (e) The institution shall undertake measures for extensive publicity against ragging by means of audio-visual aids, counseling sessions, workshop, painting and design competitions among students and such other measures, as it may deem fit.
- (f) In order to enable a student or any person to communicate with the Anti-Ragging Helpline, every institution shall permit unrestricted access to mobile phones and public phones in hostels and campuses, other than in class-rooms, seminar halls, library, and in such other places that the institution may deem it necessary to restrict the use of phones.
- (g) The faculty of the institution and its non-teaching staff, which includes but is not limited to the administrative staff, contract employees, security guards and employees of service providers providing services within the institution, shall be sensitized towards the ills of ragging, its prevention and the consequences thereof.
- (h) The institution shall obtain an undertaking from every employee of the institution including all teaching and non-teaching members of staff, contract labour employed in the premises either for running canteen or as watch and ward staff or for cleaning or maintenance of the buildings/lawns and employees of service provider providing services within the institution, that he/she would report promptly any case of ragging which comes to his/her notice.
- (i) The institution shall make a provision in the service rules of its employees for issuing certificates of appreciation to such members of the staff who report incidents of ragging, which will form part of their service record.
- (j) The institution shall make give necessary instruction to the employees of the canteen and messing, whether that the institution or that of a service provider providing this service, or their employers, as the case may be, to keep a strict vigil in the area of their work and to report the incidents of ragging to the Head of the institution or members of the Anti-Ragging Squad or members of the Anti-Ragging Committee or the Wardens, as may be required.



(k) All University awarding a degree in education at any level, shall be required to ensure that institution imparting instruction in such courses or conducting training programme for teachers include inputs relating to anti-ragging and the appreciation of the relevant human rights, as well as inputs on topic regarding sensitization against corporal punishment and checking of bullying amongst student, so that every teacher is equipped to handle at least the rudiments of the counseling approach.

(l) Discreet random survey shall be conducted amongst the freshers every fortnight during the first three months of the academic year to verify and cross-check whether the institution is indeed free of ragging or not and for the purpose the institution may design its own methodology of conducting such surveys.

(m) The institution shall cause to have an entry, apart from those relating to general conduct and behavior, made in the Migration/Transfer Certificate issued to the student while leaving institution, as to whether the student has been punished for committing or abetting an act of ragging, as also whether the student has displayed persistent violent or aggressive behavior or any inclination to harm others, during his course of study in the institution.

(n) Notwithstanding anything contained in these Regulations with regard to obligations and responsibilities pertaining to the authorities or members of bodies prescribed above, it shall be the general collective responsibility of all levels and sections of authorities or functionaries including members of the faculty and employees of the institution, whether regular or temporary, and employees of service providers providing service within the institution, to prevent or to act promptly against the occurrence of ragging or any incident of ragging which comes to their notice.

(o) The Heads of institution affiliated to a University or a constituent of the University, as the case may be, shall, during the first three months of an academic year, submit a weekly report on the status of compliance with Anti-Ragging measures under these

Regulations, and a monthly report on such status thereafter, to the Vice-Chancellor of the University to which the institution is affiliated to or recognized by.

(p) The vice Chancellor of each University shall submit fortnight reports of the University, including those of the Monitoring Cell on Ragging in case of an affiliating university, to the State Level Monitoring Cell.

## **7. Action to be taken by the Head of the institution:**

On receipt of the recommendation of the Anti-Ragging Squad or on receipt of any information Concerning any reported incident of ragging, the Head of institution shall immediately determine If a case under the penal law is made out and if so, either on his own or through a member of the Anti-Ragging Committee authorized by him in this behalf, proceed to file a First Information Report (FIR), within twenty four hours of receipt of such information or recommendation, with the police and local authorities, under the appropriate penal provisions relating to one or more of the following, namely;

- i. Abetment to ragging,
- ii. Criminal conspiracy to rag,
- iii. Unlawful assembly and rioting while ragging,
- iv. Public nuisance created during ragging,
- v. Violation of decency and morals through ragging,
- vi. Injury to body, causing hurt or grievous hurt,
- vii. Wrongful restraint,
- viii. Wrongful confinement,
- ix. Use of criminal force,
- x. Assault as well as sexual offence or unnatural offences,
- xi. Extortion,
- xii. Criminal trespass,
- xiii. Offences against property,
- xiv. Criminal intimidation,
- xv. Attempts to commit any or all of the above mentioned offences against the victim(s),
- xvi. Threat to commit any or all of the above mentioned offences against the

victim(s),

- xvii. Physical or psychological humiliation,
- xviii. All other offences following from the definition of "Ragging".

Provided that the Head of the institution shall forthwith report the occurrence of the incident of ragging to the District Level Anti-Ragging Committee and the Nodal officer of the affiliating University, if the institution is an affiliated institution.

Provided that the Head of the institution shall also continue with its own enquiry initiated under clause 9 of these Regulation and other measure without waiting for action on the part of the police/local authorities and such remedial action shall be initiated and completed immediately and in no case later than a period of seven days of the reported occurrence of the incident ragging.

## **8. Duties and Responsibility of the Commission and the Councils:**

8.1 The Commission shall, with regard to providing facilitating communicating of information regarding incidents of ragging in any institution, take the following steps, namely;

- (a) The Commission shall establish, fund and operate, a toll-free Anti-Ragging Helpline, operational round the clock, which could be accessed by students in distress owing to ragging related incidents.
- (b) Any distress message received at the Anti-Ragging Helpline shall be simultaneously relayed to the Head of the Institution, the Warden of the Hostels, the Nodal Officer of the affiliating University, if the incident reported has taken place in an institution affiliated to a University, the concerned District authorities and if so required, the District Magistrate, and the Superintendent of Police, and shall also be web enabled so as to be in the public domain simultaneously for the media and citizens to access it.
- (c) The Head of the institution shall be obliged to act immediately in response to the information received from the Anti-Ragging Helpline as at sub-clause (b) of this clause.
- (d) The telephone numbers of the Anti-Ragging Helpline and all the important

functionaries in every institution Heads of institution, faculty members, members of the Anti-Ragging committees and anti-ragging squads, district and sub-divisional authorities and state authorities where relevant, shall be widely disseminated for access or to seek help in emergencies.

- (e) The Commission shall maintain an appropriate data base to be created out of affidavits, affirmed by each student and his/her parents/guardians and stored electronically by the institution, either on its or through an agency to be designated by it; and such database shall also function as a record of ragging complaints received, and the status of the action taken thereon.
- (f) The Commission shall make available the database to a non-governmental agency to be nominated by the University Grants Commission, to build confidence in the public and also to provide information of non compliance with these Regulations to the Councils and to such bodies as may be authorized by the Commission or by the University Grants Commission.

## **8.2 The Commission shall take the following regulatory steps, namely;**

- (a) The Commission shall make it mandatory for the institution to incorporate in their prospectus, the directions of the Central Government or the State Level Monitoring Committee with regard to prohibition and consequences of ragging, and that non-compliance with these Regulations and directions so provided, shall be considered as lowering of academic standards by the institution, therefore making considered it liable for appropriate action.
- (b) The Commission shall verify that the institution strictly comply with the requirement of getting the affidavits from the students and their parents/guardians as envisaged under these Regulations.
- (c) The Commission shall include a specific condition in the Utilization Certificate, in respect of any financial assistance or grants-in-aid to any institution under any of the general or special schemes of the Commission, that the institution has complied with the anti-ragging measures.
- (d) Anti incident of ragging in an institution shall adversely affect its accreditation,

ranking or grading by NAAC or by any other authorized accreditation agencies while assessing the institution for accreditation, ranking or grading purpose.

- (e) The Commission may accord priority in financial grants-in-aid to those institutions, otherwise eligible to receive grants under section 12B of the Act, which report a blemish-less record in terms of there being no reported incident of ragging.
- (f) The Commission shall constitute an Inter-Council Committee, consisting of representatives of the various Council, the Non-Governmental agency responsible for monitoring the database maintained by the Commission under clause (f) of Regulation 801 and such other bodies in higher education, to coordinate and monitor the anti-ragging measures in institutions across the country and to make recommendations from time to time; and shall meet at least once in six months each year.
- (g) The Commission shall institute an Anti-Ragging Cell within the Commission as an institution Mechanism to provide secretarial support for collection of information and monitoring, and to coordinate with the State Level Monitoring Cell and University levels Committees for effective implementation of anti-ragging measures, and the Cell shall also coordinate with the Non-Governmental agency responsible for monitoring the database maintained by the Commission appointed under clause (g) of Regulation 8.1.

## **9. Administrative action in the event of ragging:**

### **9.1 The institution shall punish a student found guilty of ragging after following the procedure and in the manner prescribed herein under:**

- (a) The Anti-Ragging Committee of the institution shall take an appropriate decision, in regard to punishment or otherwise, depending on the facts if each incidents of ragging and nature and gravity of the incident of ragging established in the recommendations of the Anti-Ragging Squad.

- (b) The Anti-Ragging Committee may, depending on the nature and gravity of the guilt established by the Anti-Ragging Squad, award, to those found guilty, one or more of the following punishments, namely.

- i. Suspension from attending classes and academic privileges.
- ii. Withholding/ withdrawing scholarship/ fellowship and other benefits.
- iii. Debarring from appearing in any test/ examination or other evaluation process.
- iv. Withholding results.
- v. Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.
- vi. Suspension/expulsion from the hostel.
- vii. Cancellation of admission.
- viii. Rustication from the institution and consequent debarring from admission to any other institution for a specified period.
- ix. Expulsion from the institution and consequent debarring from admission to any other institution for a specified period.

Provided that where the persons committing or abetting the act of ragging are not identified, the institution shall resort to collective punishment.

- (c) An appeal against the order of punishment by Anti-Ragging Committee shall lie,
  - i. In case of an order of an institution, affiliated to or constituent part, of a University, to the Vice-Chancellor of the University.
  - ii. In case of an order of a University, to its Chancellor.
  - iii. In case of an institution of national importance created by an Act of Parliament, to the Chairman or Chancellor of the institution, as the case may be.

### **9.2 Where an institution, being constituent of, affiliated to or reorganization by a University, fails to comply with any of the provisions of these Regulations or fails to curb ragging, effectively, such University may take any one or more of the following actions, namely;**

- i. Withdrawal of affiliation/recognition or other privileges conferred.
- ii. Prohibiting such institution from presenting ant student or students then undergoing any programme of study therein for the award of any degree/ diploma of the university.
- a. Provided that where an institution is prohibited from presenting its student(s), the
- b. Commission shall make suitable arrangements for the others students so as to ensure that such students are able to pursue their academic studies.
- iii. Withholding grants allocated to it by the university, if any
- iv. Withholding any grants channelized through the university to the institution.
- v. Any other appropriate penalty with the powers of the university.

**9.3 Where in the opinion of the appointing authority,** a lapse is attributable to any member of the faculty staff of the institution, in the matter of reporting or taking prompt action to prevent an incident of ragging or who display an apathetic or insensitive attitude towards complaints of ragging, or who fail to take timely steps, whether required under these Regulation or otherwise, to prevent an incident or incident of ragging, then such authority shall initiate departmental disciplinary action, in accordance with the prescribed procedure of the institution, again such member of the faulty or staff.

Provided that where such lapse is attributable to the Head of the institution, the authority designated to appoint such Head shall take such departmental disciplinary action; and such action shall be without prejudice to any action that may be taken under the penal laws for abetment of ragging for failure to take timely steps in the prevention of ragging or punishing any student found guilty of ragging.

**9.4 The Commission shall, in respect of any institution that fails to take adequate steps to prevent ragging or fails to act in accordance with these Regulation or fails to punish perpetrator or incidents of ragging suitably, take one of more of the following measures, namely;**

- i. Withdrawal of declaration of fitness to receive grants under section 12B of the Act.
- ii. Withholding any grant allocated.
- iii. Declaring the institution ineligible for consideration for any assistance under any of the general or special assistance programmes of the Commission.
- iv. Informing the general public, including potential candidates for admission, through a notice displayed prominently in the newspaper or other suitable media and posted on the website of the Commission, declaring that the institution does not possess the minimum academic standards.
- v. Taking such other action within its power as it may deem fit and impose such other penalties as may be provided in the Act for such duration of time as the institution complies with the provision of these Regulations.

Provided that the action taken under this clause by the Commission against any institution shall be shared with all Councils.



## ANNEXURE I

### Affidavit by the Student

1. I \_\_\_\_\_ (Full name of student with admission/registration/enrolment number)s/o/d/oMr./Mrs./Ms. \_\_\_\_\_, having been admitted to **Dr D. Y. Patil Medical College Hospital and Research Centre, Pimpri**, Pune have received a copy of the UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009, (hereinafter called the "Regulations") carefully read and fully understood the provisions contained in the said Regulations.
2. I have, in particular, perused clause 3 of the Regulations and am aware as to what constitutes ragging.
3. I have also, in particular, perused clause 7 and clause 9.1 of the Regulations and am fully aware of the penal and administrative action that is liable to be taken against me in case I am found guilty of or abetting ragging, actively or passively, or being part of a conspiracy to promote ragging.
4. I hereby solemnly aver and undertake that
  - a) I will not indulge in any behaviour or act that may be constituted as ragging under clause 3 of the Regulations.
  - b) I will not participate in or abet or propagate through any act of commission or omission that may be constituted as ragging under clause of the Regulations.
5. I hereby affirm that, if found guilty of ragging, I am liable for punishment according to clause 9.1 of the Regulations, without prejudice to any other criminal action that may be taken against me under any penal law or any law for the time being in force.
6. I hereby declare that I have not been expelled or debarred from admission in any institution in the country on account of being found guilty of, abetting or being part of a conspiracy to promote, ragging; and further affirm that, in case the declaration is

Found to be untrue, I am aware that my admission is liable to be cancelled.

Declared this \_\_\_\_\_ day of \_\_\_\_\_ month of \_\_\_\_\_ year.

Signature of deponent

Name:

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### Verification

Verified that the contents of this affidavit are true to the best of my knowledge and no Part of the affidavit is false and nothing has been concealed or misstated therein.

Verified at \_\_\_\_\_ (place) on this the \_\_\_\_\_ (day) of \_\_\_\_\_ (month) \_\_\_\_\_ (year).

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Signature of Student

## ANNEXURE II

### Affidavit by Parent / Guardian

1. I, Mr./Mrs./Ms. \_\_\_\_\_ (full name of parent/guardian) father/mother/guardian of \_\_\_\_\_ (full name of student with admission/registration/enrolment number) , having been admitted to **Dr D. Y. Patil Medical College Hospital and Research Centre, Pimpri, Pune**, have received a copy of the UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009,(hereinafter called the "Regulations"), carefully read and fully understood the provisions contained in the said Regulations.
2. I have, in particular, perused clause 3 of the Regulations and am aware as to what constitutes ragging.
3. I have also, in particular, perused clause 7 and clause 9.1 of the Regulations and am fully aware of the penal and administrative action that is liable to be taken against my ward in case he/she is found guilty of or abetting ragging, actively or passively, or being part of a conspiracy to promote ragging.
4. I hereby solemnly aver and undertake that
  - a) My ward will not indulge in any behavior or act that may be constituted as ragging under clause 3 of the Regulations.
  - b) My ward will not participate in or abet or propagate through any act of commission or omission that may be constituted as ragging under clause 3 of the Regulations.
5. I hereby affirm that, if found guilty of ragging, my ward is liable for punishment according to clause 9.1 of the Regulations, without prejudice to any other criminal action that may be taken against my ward under any penal law or any law for the time being in force.
6. I hereby declare that my ward has not been expelled or debarred from admission in any institution in the country on account of being found guilty of, abetting or being part of a conspiracy to promote, ragging; and further affirm that, in case the declaration is found to be untrue, the admission of my ward is liable to be cancelled.

Declared this \_\_\_\_\_ day of \_\_\_\_\_ month of \_\_\_\_\_ year.

Signature of Parent/Guardian

Name:

Address:

Telephone/ Mobile No.:

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### Verification

Verified that the contents of this affidavit are true to the best of my knowledge and no Part of the affidavit is false and nothing has been concealed or misstated therein.

Verified at \_\_\_\_\_ (place) on this the \_\_\_\_\_ (day) of \_\_\_\_\_ (month) \_\_\_\_\_ (year )

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Signature of Parent/Guardian

**Ragging:** Ragging in any form is a punishable offence in accordance with the "UGC REGULATION ON CURBING THE MENACE OF RAGGING IN HIGHER EDUCATIONAL INSTITUTIONS 2009 and committing this act of indiscipline shall result in – PUNISHMENT UNDER THE PROVISION OF ANY PENAL LAW FOR THE TIME BEING IN FORCE.

### Anti Ragging Committee (2018-2019)

Sr No	Member	Name	Post	Phone No	Email ID
1	To be nominated and headed by the Head of the Institution	Dr. J. S. Bhawalkar	Chairman	9766545431	dean.medical@dpu.edu.in
2	Consisting of representatives	Mr. Vitthal Kubde	Senior P.I. (Pimpri)	9764197977	--
	a. Police Administration	Mr. Rangnath Bapu Unde	P.I. (Crime)	9923353452	--
	b. Civil Administration	Mr. Shivajirao Kamble	Ex M.P.	9422647579	
	c. Representative of Local Media	Mr. Mayur Kemse	Manager, Distributor, Lokmat Pimpri, Pune	9850304097	mayurkemse2010@gmail.com
3	Representatives of Non Government Organization involved in youth activities	Adv. Dr. Ruby Pritpal Chhatwal	Social activist	9422526508	rpchhatwal@gmail.com ppchhatwal@gmail.com
4	Zonal Officer 'C' Zone office P.C.M.C. Municipal Corporation Bhosari Pune	Shri. Anna Bodade	Zonal Officer	9922501942	a.bodade@pcmcindia.gov.in pro@pcmcindia.gov.in
5	Representatives of Faculty Members	Dr. P. Vatsalaswamy	Director Academics	9850116519	puranamv@gmail.com
		Dr. H. G. Deshpande	Chief Warden Hostels	9422033660	drhemantdeshpande@gmail.com
		Dr. Atul Desale	Warden Boys' Hostels	8888309351	dr.a.v.desale@gmail.com
		Dr.(Col) Suri Tripta	Wardem Girls' Hostels	7249683872	triptaasuri@gmail.com
		Dr. Vaishali Dhat	Warden Girls' Hostels	9922737501	vaishdhat@yahoo.com
		Dr. A. B. Sapate	<b>Member secretary</b>	9225632392	fntabsapate@gmail.com
6	Representatives of Parents	Dr. Rajeshwari Vohra	Parent of UG student	9822650511	drrajeshwarivohra@gmail.com
		Mr. Prashant Patil	Parent of UG student	9923159995	prashantbajraopatil@gmail.com
7	Representatives of students belonging to freshers category	Ms. Rajnandini Chauhan	1st yr 18-19 UG student	9171732192	rajnandinichauhan.4@gmail.com
		Mr. Dhananjay Yadav	1st yr 18-19 UG student	9465529577	dhananjay.y28@gmail.com
		Mr. Sahil Bansal	(3rd Sem) UG student	8077524171	bansalsahil330@gmail.com
		Ms. Tejaswini Phate	(3rd Sem) UG student	9922960064	tejaswiniphate11@gmail.com
8	Representatives of Senior Students (Post Graduate)	Dr. Sourabh Jain	PG Student	9764000185	dr.sourabh24@gmail.com
		Dr. Pramod N. Parbhane	PG Student	8308308529	dr.promod@gmail.com
9	Representatives of non-teaching staff and shall have a diverse mix of membership in terms of levels as well as gender	Mr. Uday Shende	Registrar	9833326464	registrar.medical@dpu.edu.in
		Mrs. Ratna Newar	V.P. & HR Admin	8805464600	ratna.newar@dpu.edu.in
		Mr. Rahul Patil	Incharge Student section	9561219794	rahulpatil9149@gmail.com
		Mr. Swapnil Sonje	Hostel Co-ordinator	9226539196	swapnil.sonje@dpu.edu.in
		Mrs. Deshpande	Hostel Co-ordinator	8530208875	sangitadeshpande1234@gmail.com
		Mrs. Vijaya Darekar	Girls' Hos. Rector	9860961671	darekarvijay@gmail.com
		Mr. N.P. Choudhari	Boys' Hos. Rector	9960463974	namdeochoudhari951@gmail.com

## Anti Ragging Squad

Sr. No.	Name	Designation	Phone No.	Email ID
1	Dr. A.B. Sapate (Professor, Forensic Medicine)	Officer Incharge	9225632392	fntabsapate@gmail.com
2	Dr. Umesh More (Professor, Biochemistry)	Member	9422314399	umesh_aditya@yahoo.co.in
3	Dr. Vaishali V. Dhat (Professor, Biochemistry)	Member	9922737501	vaishdhat@yahoo.com
4	Dr. Prashant Khuje (Professor, Physiology)	Member	8390360859	drttdkhuje@ymail.com
5	Mr.N.P.Choudhari (Boys' Hostel)	Member	9960463974 020-27805162	namdeochoudhari951@gmail.com
6	Mrs.Vijaya Darekar (Girls' Hostel)	Member	9860961671 020-27805646	darekarvijay@gmail.com

## Hostel Committee

Sr. No.	Representative of Faculty Member		Phone No	Email Id
1	Dr H.G. Deshpande	Warden Boys Hostel	9422033660	drhemantdeshpande@gmail.com
2	Dr. Atul Desale	Warden Boys' Hostels	8888309351	dr.a.v.desale@gmail.com
3	Dr. Vaishali V. Dhat	Warden Girls' Hostels	9922737501	vaishdhat@yahoo.com
4	Mrs Vijaya Darekar	Girls Hostel Rector	9860961671	darekarvijay@gmail.com
5	Mr N. P. Choudhari	Boys Hostel Rector	9960463974	namdeochoudhari951@gmail.com

## Hostel Authorities

Name	Designation	Mobile No
Dr H.G. Deshpande	Chief Warden	9422033660
Dr. (Col) Suri Tripta	Warden Girls' Hostels	7249683872
Dr. Atul Desale	Warden Boys' Hostel	8888309351
Dr. Pradeep Shetty	Warden Boys' Hostel	9422340343
Dr. Vaishali Dhat	Warden Girls' Hostels	9922737501
Dr. Sumit Khupse	Assistant Warden (Male)	9130338154
Dr. Rajashri Kharat	Assistant Warden (Female)	9420497513



### Vigilance Team (Boys Hostel)

- Dr Karandikar Mahesh (Physiology Deptt.) - 9225510751
- Dr Umesh More (Biochemistry Deptt.) - 9422314399
- Dr Shailesh Meshram (Pulmonary Medicine) - 9823096022
- Dr Prashant Khuje (Physiology Deptt.) - 8390360859

### Vigilance Team (Girls Hostel)

- Dr Mrs Diggikar Pradnya (Medicine Deptt.) - 9420169778
- Dr Mrs Vaishali V. Dhat (Biochemistry Deptt.) - 9922737501
- Dr Mrs Shilaja Mane (Paediatrics Deptt.) - 9822595553
- Dr Geetanjali Unawane (Radiology Deptt.) - 9422607183

## Course Duration

**The MBBS course is of four and a half years duration, made up of nine terms, each of six months, followed by One year of compulsory rotatory internship.**

- PRE-CLINICAL SUBJECTS - 2 terms - 1st and 2nd semester
- PARA-CLINICAL SUBJECTS - 3 terms - 3rd, 4th and 5th semester
- CLINICAL SUBJECTS \*
  - a) Part - I - 2 terms - 6th and 7th semester
  - b) Part - II - 2 terms - 8th and 9th semester

**\* The teaching programme for clinical subjects starts from 3rd semester itself.**

### MBBS Subjects

1. Human Anatomy
2. Human Physiology
3. Human Biochemistry

### Examination Pattern (Internal Assessment and University)

1. Three examinations of **20 marks each for continuous assessment tests** (For calculation of Internal Assessment marks of 2 best tests out of 3 continuous assessment tests to be considered) and **3rd Internal assessment exam is mandatory** to be eligible for the university examination; in addition to Terminal & Preliminary Examinations are conducted.
2. First Semester will have two continuous assessment tests and Terminal examination at the end of 1st semester.
3. **Terminal Examination:** Theory 60 + Viva 20 and Practical 40
4. Second Semester will have one continuous examination and Preliminary Examination at the end of 2nd semester.
5. **Prelims Examination:** Theory 100 + Viva 20 and Practical 40
6. Each Term: 5 marks Journal and 5 marks Attendance
7. Students having less than 75% attendance in lectures, tutorials, demonstrations, practicals, etc will not be allowed to appear for theory, practical and other examinations
8. One final University Examination for both theory and practical will be conducted.
9. **Supplementary Exam:** Students, who fail in main examination, will be eligible to appear in a supplementary examination to be held within 6 weeks after declaration of result. Students appearing for the supplementary examination may attend the 11th year MBBS class along with their own batch till their results are declared. Students who fail in supplementary examination can next appear in the subsequent year University exam of May-June.

## Distribution of marks for University Examination For each subject

Theory	Viva	Practical	Internal Assessment	Total
Paper-I 50	20	40	40	200 Marks
Paper -II 50				
Total - 100				

## Pattern of Question Paper (First MBBS)

Subject	Marks	Duration	Question Paper Pattern	Marks
Anatomy Physiology Biochemistry	50 marks	2 Hrs 30 Min.	Sect-A(26 Marks) Q.1 One line answer question Answer any 10 out of 12 Q. 2. Long answer question Answer any 2 out of 3	10x1=10  2x8=16 Total= 26
	Sect A-26 Sect B-24		Sect-B(24 Marks) Q. 3. Short answer questions (a) *PBL question-compulsory (b) any 7 out of 9	1x3=3 7x3=21 Total =24 26+24=50 Total = 50
	26+24=50			

\*problem based learning

## Pattern of Internal Assessment Evaluation

	Theory	Viva	Practical
Terminal Examination	60	20	40
Prelims	100	20	40
Continuous Assessment best 2 Tests			40 (20 X 2)
Journal + Attendance			20
Total	200		140
Internal Assessment Calculation	1/10 (A=20 Marks)		1/7 (B=20 Marks)

Internal Assessment out of 40 = A+B

Eligibility for appearing for University Examination = 35 % (Theory+Practical taken together.)  
(For Passing = 50% in University Examination )

## Marks for Attendance – Pattern

ATTENDANCE	Marks
< 75%	00
75 to 80 %	02
81 to 85 %	04
86 to 90 %	06
91 to 95 %	08
96 to 100 %	10

If students are absent for continuous assessment test-  
No re-examination will be conducted. Marks for that test will be counted as zero.

## List of Holidays I Year MBBS 2018-2019

Sr. No.	Holiday	Day	Date
1	Republic Day	Friday	26/01/2018
2	Mahashivratri	Tuesday	13/02/2018
3	Chhatrapati Shivaji Maharaj Jayanti	Monday	19/02/2018
4	Dhulivandan (Holi 2nd Day)	Friday	02/03/2018
5	Mahavir Jayanti	Thursday	29/03/2018
6	Good Friday	Friday	30/03/2018
7	Dr.Babasaheb Ambedkar Jayanti	Saturday	14/04/2018
8	Buddha Pournima	Monday	30/04/2018
9	Maharashtra Din	Tuesday	01/05/2018
10	Ramzan ID (Id-UI-Fitar)	Saturday	16/06/2018
11	Independence Day	Wednesday	15/08/2018
12	Parsi New Year	Friday	17/08/2018
13	Bakri ID (ID-UL-Juha)	Wednesday	22/08/2018
14	Ganesh Chaturthi	Thursday	13/09/2018
15	Moharum	Thursday	20/09/2018
16	Mahatma Gandhi Jayanti	Tuesday	02/10/2018
17	Dasara	Thursday	18/10/2018
18	Diwali (Narak Chaturdashi)	Tuesday	06/11/2018
19	Diwali (Laxmi Pujan)	Wednesday	07/11/2018
20	Diwali (Balipratipada)	Thursday	08/11/2018
21	Diwali (Bhaubeej)	Friday	09/11/2018
22	ID-E-Milad	Wednesday	21/11/2018
23	Guru Nanak Jayanti	Friday	23/11/2018
24	Christmas	Tuesday	25/12/2018

## Activities of the Students Council

The College has vibrant Student Council which comprises of General Secretary, Vice Secretary, Sectional Secretaries and Class Representatives

- The College Annual Social Function - SYNAPSE is organized in the month of February
- Various competitions for display of talent in the field of Music, Drama, Debates, Sports, Dance and Arts are organized. Students also participate in various intercollegiate events.
- The Intercollegiate cultural festival of the University - DPU NITE is organized in the month of March every year. This event fosters a sense of camaraderie amongst students of all the constituent colleges of the University.





## Mentorship Programme

### Mentors for I MBBS Students 2018-2019

Sr. No	Name of the Faculty	Department	Roll Nos.	Phone Nos
1	Dr. P.R. Manvikar	Anatomy	001 to 008	9545588313
2	Dr. Mrs. Vaishaly Bharambe	Anatomy	009 to 016	9822910845
3	Dr. Jasbir Garcha	Anatomy	017 to 024	9881304918
4	Dr. Preeti D. Sonje	Anatomy	025 to 032	8975781889
5	Dr. Amol Shinde	Anatomy	033 to 040	9422242536
6	Dr. Nilesh Kanaskar	Anatomy	041 to 048	9970132913
7	Dr. Preeti Awari	Anatomy	049 to 056	9689626105
8	Dr. Dinesh Patel	Anatomy	057 to 064	9764038804
9	Dr Maitreyee Mutalik	Anatomy	065 to 072	8007480741
10	Dr. Pallavi Bajpayee	Anatomy	073 to 080	9860833756
11	Dr. Mrs N.G. Borade	Physiology	081 to 088	9822404492
12	Dr. Mahesh Karandikar	Physiology	089 to 096	9225510751
13	Dr. R.S. Sood	Physiology	097 to 104	9822790697
14	Dr.V.G. Jaltate	Physiology	105 to 112	9422012764
15	Dr. Mrs Neelam B. Prasad	Physiology	113 to 120	9850556821
16	Dr. Prashant Khuje	Physiology	121 to 128	8390360859
17	Dr. Sugata Jadhav	Physiology	129 to 136	9371061417
18	Dr. Seema Mehtre	Physiology	137 to 144	9763114929
19	Dr. Sheetal Salvi	Physiology	145 to 152	9822069127
20	Dr. Ramya Jayakumar	Physiology	153 to 160	8446428137
21	Dr. Ashwini Patil	Physiology	161 to 168	9096579060
22	Dr. Nivedita Sirdesai	Physiology	169 to 176	7774097244
23	Dr Mona Tilak	Biochemistry	177 to 184	9226873355
24	Dr Mrs Ranjana D. Naoley	Biochemistry	185 to 192	9226073806
25	Dr U. K.More	Biochemistry	193 to 200	9422314399
26	Dr. V.V. Dhat	Biochemistry	201 to 208	9922737501
27	Dr. Mrs Sarita Shinde	Biochemistry	209 to 215	9766607402
28	Dr. Pradnya Phalak	Biochemistry	216 to 222	7774079760
29	Dr. Anita Deshmukh	Biochemistry	223 to 229	9422987665
30	Dr. Abhijeet Pratap	Biochemistry	230 to 236	9657192022
31	Dr. Shilpa Joshi	Biochemistry	237 to 243	9975104725
32	Dr. Sandesh Thorat	Biochemistry	244 to 250	9860971019

## ERP and Biometric System for students

Dr. D.Y. Patil Vidyapeeth and Dr. D.Y. Patil Medical College, Pune feel proud to announce that **ERP** and **Biometric System** are implemented. Details are as under:-

### **ERP System:**

#### **Login for following facilities:**

- 1) View your time-table online
- 2) Check out attendance
- 3) Read notes uploaded by faculty
- 4) View the notices and circulars
- 5) Check out the allotted mentor
- 6) View your Academic calendar
- 7) Check your Internal Assessment Evaluation pattern
- 8) Submit online application regarding bonafide and other certificates
- 9) Browse the libraries of all Institutes under Dr.D.Y. Patil Vidyapeeth
- 10) Students can give online feedback

### **Biometric System**

1. Student's attendance is taken by Biometric System during the Lectures / Practicals / Dissections and tutorial.
2. The student section will send the absent report of your ward through SMS at your registered mobile number in our office at the time of admission (SMS No.BZ-DPUMED)
3. Classroom attendance will not be considered if the student is late in class or misbehaves

## Recommended books for first year MBBS (2018-2019 Batch)

### ANATOMY

1. Text book of General Anatomy : V Shubhadra Devi
2. Text book of Human Anatomy Vol. 1,2 & 3 : Vishram Singh
3. Thieme Dissector Vol1,2and 3 Vishram Singh, GP Pal and SD Gangane
4. Grant's Atlas of Anatomy ( South Asian Edition)
5. I.B Singh Human Histology
6. I.B. Singh- Embryology
7. Text book of Neuro anatomy : Vishram Singh
8. Histology Practical Manual : Shetty & Pooja

#### Books Preferable:

1. Grant's Dissector
2. Krishna Garg- Text book and Work book of Histology
3. Clinical Anatomy ( Vol. 1& 2)- Neeta Kulkarni

#### Reference Books:

1. Gray's Anatomy for students : Standring Susan
2. Mc Minn's Color Atlas of Human Anatomy: Abrahms PH
3. Langman's Medical Embryology: Sadlar
4. Netter Atlas of Human Anatomy
5. Atlas of Histology : Brijesh Kumar
6. Snell's – Clinical Anatomy
7. Synopsis of Surgical Anatomy : Mc Gregor
8. Clinical Anatomy : Keith and Moore
9. Last's anatomy :regional and applied: Sinnathamby C

### PHYSIOLOGY

#### Text book:

- 1) Text book of Medical Physiology- Guyton & Hall
- 2) Companion of Medical Physiology – Guyton & Hall
- 3) Medical Physiology of Undergraduate Student – Khurana Indu

#### Practical Book:

- 1) Manual of Practical Physiology for MBBS – Jain A. K.
- 2) Text Book of Practical Physiology – Pal G. K.
- 3) A textbook of practical Physiology- Ghai C. L.

### BIOCHEMISTRY

#### (Students should purchase any one of the recommended books)

1. Textbook of Biochemistry 7th edition - D.M.Vasudevan& Shree Kumari
2. Medical Biochemistry 4th edition – U.Satyanarayan
3. Biochemistry 3rd edition - Pankaja Naik
4. Textbook of Biochemistry 2nd edition – Rafi M D

#### Reference Books:

#### (Not to be purchased. Available in central library)

1. Harper's Biochemistry
2. Lippincott's Illustrated Reviews Biochemistry
3. Biochemistry by L. Stryer.
4. Lehninger's Principles of Biochemistry

**Dr. D. Y. Patil Vidyapeeth**  
**Dr. D. Y. Patil Medical College, Hospital & Research Centre**  
Pimpri, Pune – 411 018  
**Academic Calender for I MBBS 2018-2019**

		Working Days	Exam Days	Sundays	Festivals	Vacation
<b>1 st Term Starts</b>	01/08/2018	Aug. = 24		4	3	
		Sept. = 23		5	2	
		Oct. = 25		4	2	
<b>* I Continuous Assessment</b>	Nov 1st to 3rd					
<b>Diwali Holidays</b>	<b>05/11/2018 to 10/11/2018</b>	Nov. =18		4	6	2
<b>*II Continuous Assessment</b>	20/12/2018 to 22/12/2018					
<b>Winter Vacation</b>	<b>24/12/2018 to 31/12/2018</b>	Dec. = 19		5	1	6
<b>Terminal Examination</b>	<b>Pr. 14/01/2019 to 19/01/2019</b>					
	<b>Th.- 21/01/2019 to 23/01/2019</b>					
<b>2nd Term Starts</b>	01/01/2019	Jan. = 26		4	1	
		Feb. = 23		4	1	
<b>*III Continuous Assessment</b>	March 21,22,23	Mar. = 24		5	2	
		April = 23		4	3	
<b>Last date of Classes</b>	31/05/2019	May = 25		4	2	
<b>Problem solving session</b>	01/06/2019 to 05/06/2019					
<b>Prelim Examination</b>	<b>Th.- 06/06/2019 to 12/06/2019</b>					
	<b>Pr. - 13/06/2019 to 21/06/2019</b>					
<b>Preparatory Leave</b>	22/06/2019 to 07/07/2019	June = 10	8	5		7
<b>University Examination</b>	<b>Th.- 08/07/2019 to 16/07/2019</b>					
	<b>Pr.- 17/07/2019 to 20/07/2019</b>					
	22/07/2019 to 26/07/2019	July = 0	17	3		6
<b>Working Days</b>	240					
<b>Sunday</b>	51					
<b>Festivals</b>	23					
<b>Vacation</b>	21					
<b>College Examination</b>	8					
<b>University Examination</b>	17					
<b>Total</b>	<b>360</b>					
<b>Parent Meeting</b>	After Term. Exam					
	<b>08 February 2019</b>					
<b>2nd Year (3rd Semester) will commence from 1st August 2019</b>						



**Dr. D. Y. Patil Medical College, Hospital & Research Centre**  
**Pimpri, Pune - 411 018**

Dr. D. Y. Patil Vidyapeeth Campus, Sant Tukaram Nagar,  
Pimpri, Pune 411018.

**Block Training Programme for**  
**1st MBBS Academic Year 2018-19**

Time	Particular	Monday	Tuesday	Wednesday	Thursday	Friday	Sat (1st, 3rd, & 5th )	Sat (2nd & 4th )
08.30 to 9.25 am	Lecture	Anatomy	Physiology	Bio chemistry	Anatomy	Anatomy	Physiology	Bio chemistry
09.25 to 10.20 am	Lecture	Anatomy	Physiology	Physiology	Anatomy	Anatomy	Bio chemistry	Anatomy
10.20 to 11.15 am	Lecture	Physiology	Anatomy	Anatomy	Physiology	Bio chemistry	Anatomy	Physiology
<b>11.15 to 11.30 am</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>
11.30 to 1.30 pm	Dissection	Dissection	Dissection	Dissection	Dissection	Dissection	Dissection	Dissection
<b>1.30 to 2.30 pm</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
2.30 to 5.00 pm	Practical / LD Visit	Physio., Bio. or Comm. Medical Visit	Physio., Bio. or Comm. Medical Visit	Physio., Bio. or Comm. Medical Visit	Physio., Bio. or Comm. Medical Visit	Physio., Bio. or Comm. Medical Visit	Physio., Bio. or Comm. Medical Visit	Physio., Bio. or Comm. Medical Visit

**VENUE:- Lecture Hall No- 1**

## **I- Human Anatomy Syllabus – I MBBS**

### **Goal:**

Anatomy aims at providing comprehensive knowledge of the gross and microscopic structure and development of human body so also basic knowledge of genetics

**Objectives:** Knowledge ; At the end of the course the student shall be able to

- 1) Comprehend the normal disposition
- 2) Identify the microscopic structure
- 3) Comprehend the basic structure and connections of the central nervous system
- 4) Demonstrate Knowledge of the basic principles and sequential development of the organs and systems

**Skills: At the end of the course student shall be able to –**

1. Identify and locate all the structures of the body
2. Identify the organs and tissues under the microscope.

3. Understand the principles of Karyotyping, genetic mutation and identify the gross congenital anomalies.
4. Understand principles of CT scan sonogram etc.
5. Understand clinical basis of some common clinical procedures

**Integration: Detailed study of Human anatomy is given under following heads.**

- 1) General anatomy
- 2) Regional Anatomy
- 3) Microscopic Anatomy
- 4) Developmental anatomy
- 5) Genetics
- 6) Radiological Anatomy
- 7) Living Anatomy

# Detailed syllabus of Human Anatomy

## (A) General Anatomy

### I Descriptive Terms

### II Connective tissue

- 1) Loose areolar tissue
- 2) Dense connective tissue
- 3) Ligaments, types & function, applied anatomy
- 4) Retinacula & Aponeuroses
- 5) Cartilage
- 6) Bone

### III General Arthrology

Classification & types of joints

### IV General Myology

Definition, types: Origin, insertion, Actions of muscles, Functional classification

### V. Integument

- a) Skin
- b) Superficial Fascia
- c) Deep Fascia

### VI. General Angiology

- i. Arteries, Veins, Arterioles, Capillaries
- ii. Lymphatic system

### VII. General Neurology

Structure of nervous tissue, functional types , Classification of neurons, Central & Peripheral nervous system

## (B) Regional Anatomy

### I. Upper Limb

Muscles, Vessels, nerves, bones, joints

### II. Lower Limb

Muscles, Vessels, nerves, bones, joints

### III. Abdomen

Anterior abdominal wall, Abdominal organs, Pelvic viscera, Perineum, Muscles, Bones, Vessels, Joints, lumbar plexus, sacral plexus

### IV. Thorax

Thoracic wall, thoracic inlet, Mediastinum,

Pleura, Lungs, Pericardium & heart, Bones, Joints, movements of Respiration

### V) Head - Face, Neck

Superficial & Deep fascia of neck, Organs, Glands, Muscles, Vessels, nerves, bones, joints

### VI) Neuroanatomy

Spinal Cord, Medulla Oblongata, Pons, Cerebellum, Midbrain, Cerebrum, Diencephalon, Ventricular System, Blood Supply of Brain, Meninges

## (C) Micro Anatomy

### I) General Histology

Microscope, Cytology – Cell – Structure & Function, Epithelium, Connective Tissue, Bone & Cartilage, Muscle, Nervous Tissue, Vessels, Lymphoid Tissue

### II) Systemic Histology

1. Integumentary system - Skin
2. Alimentary system - Oral tissues, GI Tract, Glands
3. Respiratory system
4. Urinary system
5. Male reproductive system
6. Female reproductive system
7. Endocrine system
8. Nervous system – Central, Peripheral, Special senses

## (D) Developmental Anatomy

- I) General Embryology
- II) Systemic Embryology –Development of
  - i) Cardiovascular System
  - ii) The Respiratory System
  - iii) The Alimentary System
  - iv) The Urogenital System
  - v) Skin
  - vi) Endocrine glands
  - vii) The Nervous System
  - viii) Organs of the special senses - Eye and Ear

## **(E) Genetics**

- i) Cytogenetics - Structure and function of chromosomes
- ii) Molecular genetics (Normal) - Structure and types of DNA
- iii) Types of Inheritance
- iv) Genetic basis of variation
- v) Developmental genetics
- vi) Genetic Counselling
- vii) Chromosomal basis of disease
- viii) Prenatal diagnosis

## **(F) Radiological Anatomy**

- i) Introduction

### **X-Rays of**

- ii) Upper Limb –
- iii) Lower Limb
- iv) Abdomen
- v) Thorax
- vi) Head-Face-Neck
- viii) CT, MRI

## **(G) Living Surface Anatomy**

- 1. Upper Limb
- 2. Lower Limb
- 3. Abdomen
- 4. Thorax - Joints of Thorax & Thoracic Organs
- 5. Head Face Neck - (Bony) Landmarks, Vessels
- 6. Brain – sulci, gyri

## **(H) University Examination Pattern**

### **I) Theory Examination Pattern (In Anatomy)**

#### **Anatomy Paper I-**

Includes gross anatomy, systemic histology and systemic embryology of the region above diaphragm. (50 Marks)

#### **Anatomy Paper II-**

- 1) Gross Anatomy, embryology of respiratory diaphragm.
- 2) Gross anatomy, systemic histology and systemic embryology of the region below

diaphragm. It also includes General histology, General embryology, general anatomy & genetics. (50 Marks)

### **Practical**

#### **Practical - 40 marks**

Histology spotting – - 5 marks  
10 slides (1/2X 5)

Slide discussion – - 5 marks  
1 slide (1X 5)

Soft parts above diaphragm - 10 marks

Soft parts below diaphragm - 10 marks

Living Surface & Radiology - 10 marks

#### **Viva - 20 marks**

Osteology - - 10 marks  
Axial skeleton

Appendicular skeleton - 5 marks

Embryology models - 5 marks



## II- Syllabus for Human Biochemistry- I MBBS (Structural formulae are not obligatory)

1. Introduction of Biochemistry as a basic science for the study of medicine, its importance in clinical practice.
2. Molecular and functional organization of a cell and its subcellular components, sub cellular fractionation by preparative ultracentrifugation and importance of analysis.
3. **Chemistry of carbohydrates:** Classification and biochemical importance, chemistry and functions of monosaccharides (excluding isomerism), disaccharides and polysaccharides including Glycosaminoglycans (mucopolysaccharides).
4. **Chemistry of Lipids:** classification of lipids and biological importance of triacyl glycerol, phospholipids, glycolipids, fatty acids (PUFA), cholesterol, prostaglandin, steroids and lipoproteins.
5. **Chemistry of proteins:** general nature of amino acids, various ways of classification of amino acids, biologically important peptides, classification, properties and biological importance of proteins.. Structural organization of proteins and its importance, Plasma proteins-functions, clinical significance of various fractions, methods of separation (only principle). Acute phase reactants and their applications.
6. **Enzymes:** General nature, classification of enzymes, specificity and mode of action of enzymes, mechanism of action- different models. Factors affecting enzymes activity. Enzymes inhibitions (Kinetics not expected). Clinical importance (Diagnostic, therapeutic and as a Laboratory reagent) of enzymes and isoenzymes.
7. **Biological oxidation:** General concept of oxidation and reduction. Role of enzymes and co-enzymes. Electron transport chain. Enzyme complexes, substrate level and Oxidative phosphorylation, Role of uncouplers and inhibitors.
8. **Haemoglobin:** Chemistry and functions of haemoglobin. Types of normal and abnormal hemoglobins (HbS, M, Thalassemia). Hemoglobin derivatives.
9. **Haemoglobin Metabolism:** Synthesis and break down of haemoglobin, porphyrias (in brief), Fate of bilirubin, different types of Jaundice.
10. **Vitamins:** General nature, classification, sources, active forms and metabolic role, deficiency manifestations, daily requirement and hypervitaminosis.
11. **Nutrition:** Balanced diet for normal adult, Quality of dietary protein, Nutritional quality of proteins, chemical score and reference protein, BMR, SDA, protein energy malnutrition (Kwashiorkor and Marasmus), obesity.
12. **Carbohydrate Metabolism:** Biochemical aspects of digestion and absorption of carbohydrates. Glycolysis, Rapoport Luebering cycle, Citric acid cycle, Gluconeogenesis, HMP shunt pathway and its biological significance, Synthesis and break down of glycogen, Uronic acid pathway (significance only). Metabolism of Galactose and Galactosemia. Blood sugar level and its regulation, oral GTT and glycosuria, Biochemistry of diabetes mellitus, manifestation and complications.
13. **Protein Metabolism:** Biochemical aspects of digestion and absorption of proteins. Nitrogen balance. Fate of amino acid in the body, General catabolic reactions, Fates of ammonia (Urea cycle, glutamine formation), Metabolism of glycine, aromatic and sulphur containing amino acids and their inborn errors.
14. **Lipid Metabolism:** Biochemical aspects of digestion and absorption of Lipids. Oxidation, biosynthesis of saturated fatty acids only, cholesterol biosynthesis, transport (role of HDL \* LDL), excretion. Ketogenesis, Ketolysis and Ketosis. Adipose tissue metabolism, Lipolysis and re-esterification, fatty liver, lipotropic factors and atherosclerosis.

15. **Chemistry and Metabolism of purines and pyrimidines:** nucleosides, nucleotides. Biologically important free nucleotides, Biosynthesis of purines (sources of ring and regulatory steps only, conversion of IMP to GMP and AMP) and salvage pathway, Biosynthesis of pyrimidines. Breakdown of purines and pyrimidines, regulation of purine and pyrimidine metabolism. Gout, Lesch - Nyhan Syndrome,
16. Metabolic interrelationship of carbohydrates, lipids and proteins metabolism and metabolic changes during starvation.
17. **Hormones:** General characteristics, classification and Mechanism of hormone action. cAMP the second messengers, phosphatidylinositol / calcium/calmodulin system as second messengers.
18. **Chemistry of nucleic acids:** Structure and function of DNA and RNA.
19. **Molecular Biology:** Genetic code, DNA Replication, fidelity, conservation of genome, types of mutations. Transcription, Translation, chain initiation, chain elongation, chain termination, Inhibitors of protein biosynthesis. Molecular Mechanism of gene expression and regulation, Lac-operon model. Recombinant DNA, Restriction endonuclease, chimeric molecule and Gene library. Applications of recombinant DNA technology in relation to medicine, PCR and its applications.
20. **Mineral Metabolism:** Study of (i) Calcium and phosphorous (ii) magnesium (iii) copper, iodine, iron, manganese, selenium, zinc & fluoride. Their importance in body in brief.
21. Water and electrolyte (sodium, potassium and chloride) balance and imbalance including laboratory investigations.
22. Acid base balance and imbalance, anion gap, laboratory investigations.
23. **Function tests:** (i) Liver function tests, (ii) Kidney function tests & (iii) Thyroid function tests.
24. **Detoxification mechanisms:** Bio-transformation phase-I hydrolysis, oxidation, reduction, phase-II conjugation.
25. Molecular concept of body defence and their application:
  - a. Immunoglobulin- structure and functions.
  - b. Free radicals, enzymatic and nonenzymatic antioxidants.
26. **Radioisotopes:** Uses of radioisotopes (therapeutic, diagnostic) and radiation hazards.
27. **Environmental Biochemistry:** Definition, chemical stress, air and water pollution, effects of temperature.
29. **Biochemistry of cancer:** carcinogens, and outline mechanism of carcinogenesis, tumour markers, metastasis.
30. **Tissue proteins in health and disease:** Collagen, muscle proteins, elastin, fibronectin, laminin, keratin, lens proteins, prion proteins.

# University Examination Pattern (Biochemistry)

## Theory examination:

There will be TWO papers, each of two and half hours duration. Each paper will be of 50 marks with one compulsory question on applied biochemistry.

## Paper wise distribution of theory topics:

### Paper – I (50 marks) 2 ½ hours duration.

1. Molecular and functional organisation of a cell and its sub-cellular components.
2. Chemistry and metabolism of proteins and related disorders, Tissue proteins in health and diseases
3. Chemistry and metabolism of purines and pyrimidines and related disorders.
4. Chemistry and functions of DNA and RNA, genetic code; protein biosynthesis & regulation of gene expression.
5. The principles of genetic engineering and their applications in medicine.
6. Chemistry and Metabolism of haemoglobin.
7. Molecular concept of body defence and their applications in medicine.
8. Nutrition, Vitamins and Minerals.
9. Investigation techniques: (LCD-Topics) Colorimeter, Electrophoresis, Chromatography, ELISA & Flame photometer, Automation.

### Paper – II (50 marks) 2 ½ hours duration.

1. Chemistry and metabolism of carbohydrates and related disorders.
2. Chemistry and metabolism of lipids and related disorders.
3. Water and electrolyte balance & imbalance.
4. Acid base balance and imbalance.
5. Integration of various aspects of metabolism and their regulatory pathways. Starvation metabolism.
6. Mechanism of hormone action.
7. Environmental biochemistry.
8. Liver function tests, Kidney function tests, Thyroid function tests.

9. Detoxification mechanisms.
10. Biochemical basis of cancer and carcinogenesis.
11. Radioisotopes.
12. Enzymes and Biological oxidation.

## Syllabus for Practical

- 1) Tests for monosaccharides.
- 2) Tests for disaccharides.
- 3) Colour reactions of proteins.
- 4) Precipitation reactions of proteins.
- 5) Estimation of blood sugar.
- 6) Estimation of blood urea.
- 7) Estimation of i) Serum creatinine, ii) Creatinine in urine.
- 8) Determination of serum total protein and albumin
- 9) Estimation of total and direct serum bilirubin.
- 10) Estimation of serum cholesterol.
- 11) Estimation of serum calcium.
- 12) Estimation of serum phosphorous (Inorganic)
- 13) Estimation of S.G.P.T./ALT.
- 14) Estimation of S.G.O.T./AST.
- 15) Estimation of serum alkaline phosphatase. (ALP)
- 16) Estimation of serum acid phosphatase.
- 17) Urine report; Physical characteristics and abnormal constituents.
- 18) C.S.F. - Sugar and Protein.
- 19) Serum uric acid.

**The journal should be scrutinized by the teacher concerned and presented during university examination.**

## Lecture – cum – Demonstrations:

1. pH – measurement and Blood Gas Analysis
2. Colorimetry
3. Electrophoresis.
4. Chromatography.

5. Flame photometry.
6. ELISA
7. Automation in clinical biochemistry
8. Laboratory investigations for Jaundice and Diabetics Mellitus
9. Laboratory investigations of Acute Myocardial Infarction

### Practical Examination

Practical examination in Biochemistry will be of TWO (2) hours duration 40 marks

### Exercise

Q.No.1	One quantitative experiment from group A	20 marks
Q.No.2	One qualitative / quantitative experiment from Group B	15 marks
Q.No.3	Spot identification from group C.	5 marks

### Group A:

Blood sugar, Blood urea; Serum total protein, Albumin, Serum ALT/SGPT, Serum AST/SGOT, Serum Alkaline phosphatase, Serum Acid phosphatase, Serum total and direct bilirubin, Serum uric acid, Serum calcium, CSF- sugar and protein.

### Group B:

Creatinine in urine, Serum cholesterol, Serum phosphorus, Tests for monosaccharides, Tests for disaccharides, Colour reactions of proteins, Precipitation reactions of proteins and abnormal constituents of urine.

### Group C:

Identification of slide under microscope.

Use of reagent.

Significance of test.

Use of Instrument / Appliances.

Identification of GTT, Electrophoretogram and Chromatogram.

Candidates will be allowed to use Test procedures for quantitative and qualitative exercises. There will be table viva on Q.No.1 & Q.No.2 exercise

## III- Human Physiology Syllabus- I MBBS

### I) General Physiology (7)

- Introduction to cell & Cell organelles
- Transport across the cell membrane- I & II
- Resting membrane potential
- Action potential – I & II
- Homeostasis

### II) Blood (11)

- Composition, functions of blood & plasma proteins
- RBC – I & II
- WBC
- Blood group – I & II
- Haemostasis – I & II
- Reticulo-endothelial system
- Immunity I & II

### III) Muscle Physiology (5)

- Classification of muscle & structure of skeletal muscle
- Properties of skeletal muscle
- Neuromuscular junction
- Molecular basis of Muscle contraction- I & II

### IV) Cardiovascular Physiology (19)

- Introduction to Cardiovascular system
- Origin & spread of cardiac impulse
- ECG
- Nerve supply of heart & Heart rate I & II
- Cardiac cycle I & II
- Haemodynamics
- Physiology of blood vessels
- Blood pressure I, II & III
- Cardiac output I & II
- Tissue fluid formation I & II
- Coronary circulation
- Pulmonary circulation
- Circulatory shock



## **V) Respiratory Physiology (11)**

- Introduction to respiratory system
- Mechanics of respiration I & II
- Diffusion of gases
- Transport of O<sub>2</sub>
- Transport of CO<sub>2</sub>
- Neural regulation of respiration
- Chemical regulation of respiration
- Hypoxia, Periodic breathing, Dyspnoea & Cyanosis
- Acclimatization to high altitude
- Cardio respiratory changes during exercise

## **VI) Renal Physiology (7)**

- Structure & Functions of kidney & Renal circulation
- Urine formation I, II & III
- Counter current mechanism
- Micturition reflex & its disorders
- Regulation of blood volume

## **VII) Central Nervous System (40)**

- Introduction to Nervous System (NS)
- Cerebral circulation
- Physiology of nerve
- Synapse-I & II
- Receptor-I & II
- Organization of spinal cord
- Reflex action – I & II
- Ascending tract – I & II
- Pain – I & II
- Thalamus
- Reticular formation & ARAS
- Cerebral cortex & cerebral dominance
- Descending tracts I (Pyramidal tract) & II (Extrapyramidal tract)
- Basal ganglia – I & II
- Cerebellum – I & II
- Vestibular apparatus (VA)
- Muscle Tone I & II
- Posture & Equilibrium
- Prefrontal lobe & speech
- Sleep

- EEG
- Hypothalamus-I & II
- Limbic system
- Learning & memory – I & II
- CSF & Blood Brain Barrier
- Lesions of spinal cord
- ANS- I & II
- Regulation of body temperature

## **VIII) Special Senses (11)**

- Introduction to eye & optics
- Errors of refraction
- Photochemistry of vision
- Neurophysiology of vision – I & II
- Accommodation & visual reflexes
- Color vision
- Ear – I, II & III
- Taste & smell

## **IX) Endocrine System (15)**

- Introduction to endocrinology & mechanisms of hormone action
- Anterior Pituitary gland – I & II
- Posterior Pituitary gland
- Disorders of pituitary gland
- Adrenal cortex – I, II & III
- Thyroid gland – I, II, III & IV
- Parathyroid & calcium metabolism
- Endocrine pancreas – I & II

## **X) Reproductive Physiology (10)**

- Introduction to Reproductive system, Sex determination & differentiation
- Physiology of puberty (male & female)
- Female sex hormones
- Menstrual cycle I & II
- Physiology of pregnancy – I & II
- Physiology of Lactation
- Male reproductive system I & II

## **XI) Alimentary System (12)**

- Introduction to gastrointestinal system (Including splanchnic circulation)
- Salivary secretion

- Mastication & Deglutition
- Mechanism of gastric secretion & its regulation
- Gastric emptying
- Movements & functions of small intestine – I & II
- Liver, Bile & Gall bladder
- Exocrine pancreas
- Movements & functions of large intestine
- Nutrition I & II

### **Practicals I/II M.B.B.S. (Regular Batch)**

#### **Haematology Practicals**

- 1) Study of microscope
- 2) Collection of Blood
- 3) Determination of Hemoglobin content of blood
- 4) Total WBC count
- 5) RBC Count
- 6) Determination of blood group
- 7) Bleeding time & Clotting time
- 8) Peripheral blood smears
- 9) Differential WBC Count.

#### **Clinical Practicals**

- 1) Introduction to clinical examination
- 2) Clinical examination of Arterial pulse
- 3) Examination of venous pressure
- 4) Determination of Arterial blood pressure
- 5) Clinical examination of CVS
- 6) Clinical examination of respiratory system
- 7) Artificial respiration
- 8) Cardiopulmonary Efficiency tests
- 9) Clinical examination of Sensory system
- 10) Clinical examination of motor system I & II
- 11) Clinical examination of eye
- 12) Clinical examination of III, IV, VI cranial nerves
- 13) Clinical examination of other cranial nerves
- 14) Acuity of vision
- 15) Visual reflexes

- 16) Tests for hearing & deafness
- 17) Clinical examination of Abdomen
- 18) All spots revision & Journal completion
- 19) Journal certification & difficulty solving

### **Lecture Demonstrations**

#### **Haematology**

- 1) Erythropoiesis
- 2) ESR & PCV
- 3) Anaemia & blood Indices
- 4) Blood transfusion & visit to blood bank
- 5) Platelet count

#### **Human**

- 1) ECG
- 2) Spirometry
- 3) Stethography
- 4) Organization of CNS
- 5) Perimetry
- 6) Color vision
- 7) Taste & smell
- 8) Body temperature
- 9) Pregnancy test & family planning

### **Experimental**

#### **Skeletal Muscle – I**

- 1) Study of instruments & Simple muscle curve

#### **Skeletal Muscle – II**

- 1) Effect of temperature, Velocity of nerve conduction & all or none law

#### **Skeletal Muscle – III**

- 1) Effect of load & fatigue

#### **Skeletal Muscle – IV**

- 1) Effect of multiple stimuli & Genesis of tetanus

### **Cardiac**

#### **Cardiac Muscle - I**

- 1) Normal cardiogram
- 2) Effect of speed on frog's cardiogram
- 3) Effect of temperature on frog's cardiogram

- 4) Stannius ligature

### Cardiac Muscle – II

- 1) Long refractory period - Extra systole & compensatory pause, two successive stimuli, and incomplete tetanus
- 2) All or none law

### Cardiac Muscle – III

- 1) Nervous regulation of heart & Vagal escape.

### Cardiac Muscle – IV

- 1) Effect of drugs on frog's heart – Adrenaline, Acetylcholine, Nicotine.

## University Examination Pattern- Physiology

### Evaluation:

**Theory** – systems to be included are (Marks distribution in brackets)

#### Paper I Total Marks -50

Cardiovascular system, Respiratory system, Gastrointestinal system, Endocrinology, Reproduction,

Environmental physiology: Acclimatization to hypoxia; Temperature regulation.

#### Exercise physiology

#### Paper II Total Marks -50

General Physiology, Cell membrane; Transport systems, Homeostasis, Nerve Muscle Physiology, Blood, Excretory system, CNS and Special senses.

Each paper includes section A & section B

**Duration of each paper : 2 Hours & 30 min.**

**Section A & B : 2 hours & 30 min.**

### Pattern Of VIVA VOCE

**There shall be separate batches of students for viva and Practicals.**

(i) Viva examination (orals)

**Total marks 20 Duration – 20 min.**

Four Examiners (5 minutes with each examiner)

- a) • Two Examiners for topics of paper I
  - Systems to be distributed for viva
- b) • Two Examiners for topics of paper II
  - Systems to be distributed for viva

### Pattern Of Practical Examination

**Total marks 40**

#### 4 Exercises:

#### Clinical examination

**1) Clinical I 10 marks**

- a) C. V. S. 5 marks
- b) R. S. 5 marks

**2) Clinical II 10 marks**

- a) C.N.S / Special senses 5 marks
- b) Abdomen 5 marks

**3) Haematology 10 marks**

**4) Spots 10 marks**

5 Spots 2 marks each (2 X 5 = 10)

Distribution of 5 spots:

- 1) Animal experiments graphs
- 2) Endocrine system
- 3) Calculations
- 4) Human Physiology practical graphs.
- 5) Clinical Physiology.

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## Undertaking for observing Code of Conduct

I have read, clarified and understood the regulations mentioned in the prospectus and information available on the website of [www.dpu.edu.in](http://www.dpu.edu.in) I fully subscribe to the concerns, vision & mission of, and the processes at the institute. I shall abide by the rules & regulations of the institute and the Vidyapeeth.

I know that I have to take part in all other non-academic activities irrespective of my religious faith and beliefs. Having understood the importance of these, I promise that I shall do it to the best of my ability.

In solemn assurance and acceptance after clarification and explanation of the above, I hereby affix my signature jointly along with my parent / guardian understanding that this is my own code of conduct to have a fruitful and memorable association with the institute and the Dr. D. Y. Patil Vidyapeeth, Pune. I am aware of the consequences if I violate any of the rules of the institute. I will accept the decision of the institute in case of any indiscipline on my part including termination from institute.

Parent's/Guardian's Signature: \_\_\_\_\_ Candidate's Signature: \_\_\_\_\_

Parent's/Guardian's Name: \_\_\_\_\_ Candidate's Name: \_\_\_\_\_

Relation: \_\_\_\_\_

Date: \_\_\_\_\_

Place: \_\_\_\_\_



## MRI Facility







## Robotic Surgery



# DPU

## 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)  
18th rank in Medical Category and 52nd rank in University Category in India (NIRF-2018)  
(Declared as Category - I University by UGC Under Graded Autonomy Regulations, 2018)  
(An ISO 9001: 2015 Certified University)

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