



BHARATI VIDYAPEETH

(Deemed to be University)
Pune, India.

Accredited with 'A+' Grade (2017) by NAAC
'A' Grade University Status by MHRD, Govt. of India
Accredited (2004) & Reaccredited (2011) with 'A' Grade by NAAC



INFORMATION BROCHURE OF ENTRANCE TEST

PHARMUG-2018

For Admission to the
Bachelor of Pharmacy (B.Pharm.) and
Doctor of Pharmacy (Pharm.D.)
At
Bharati Vidyapeeth
(Deemed to be University)
Poona College of Pharmacy, Pune
Reaccredited by NBA



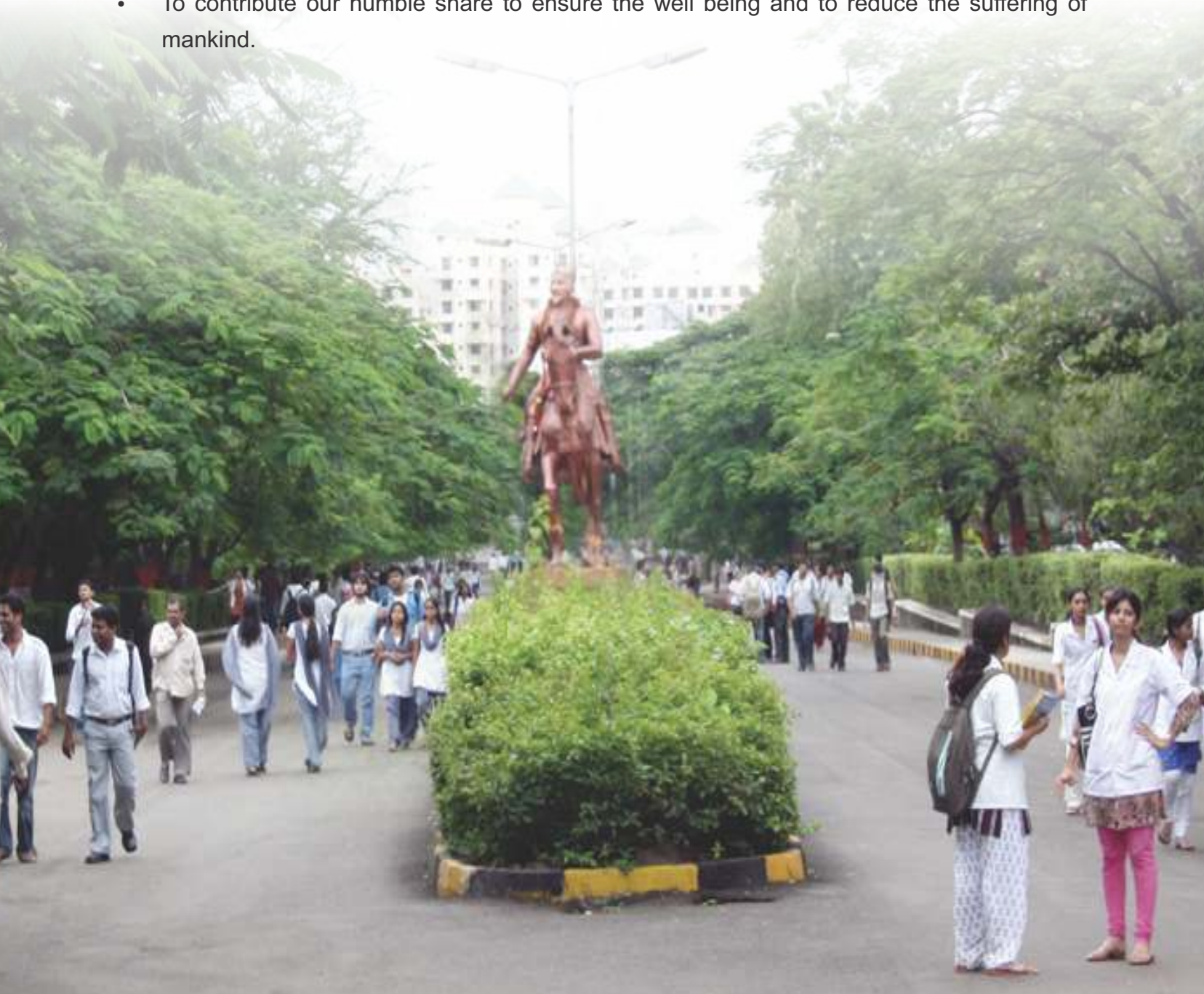
POONA COLLEGE OF PHARMACY, PUNE

VISION :

To be recognized as a premier pharmacy institution of academic excellence.

MISSION STATEMENT :

- To produce competent pharmacists catering to the needs of Industry, Academia, Research and Society.
- To create a centre of excellence for education and research in the field of pharmaceutical sciences.
- To contribute our humble share to ensure the well being and to reduce the suffering of mankind.



Chancellor's Message

Hon'ble Dr. Patangrao Kadam

M.A., LL.B., Ph.D.

FOUNDER - CHANCELLOR

Bharati Vidyapeeth (Deemed to be University) Pune



As the Chancellor of Bharati Vidyapeeth (Deemed to be University) I extend a very warm welcome to the students who are desirous of seeking admission in our different Constituent units.

Bharati Vidyapeeth, the parent organization of this University has recently celebrated its Golden Jubilee. Five decades ago Bharati Vidyapeeth initiated its academic journey with a single school. Now it is one of the premier educational institutions in the country, having under its umbrella more than 180 educational units including 80 colleges of 12 faculties. They include colleges of Medicine, Dentistry, Engineering, Pharmacy, Hotel Management and the like. There may not be any disciplines either conventional or emerging for which Bharati Vidyapeeth has not established its institution.

Within a short period of 20 years or so, Bharati Vidyapeeth (Deemed to be University) has established its academic reputation even across the national borders. Its high level of academic excellence is underscored by the fact that the Ministry of Human Resource Development, Government of India has given 'A' grade status to this University. The University's another

remarkable achievement is that it has been re-accredited with prestigious 'A+' grade by NAAC. An approval by the UGC under Section 12B of its Act which our University has received is another feather in the cap of the University.

We at this University are committed to offer our students a wide spectrum of academic options to choose from.

It has also been our endeavour to provide continuously updated education in a congenial environment to our students. I am very happy that a very large number of our past students have established their reputation as Medical Practitioners, Engineers, Pharmacy Industrialists and the like, not only at the national level but also at the international level. Research is a focal area of activities of our University. We have three Research Institutes as constituent units of University. They are doing remarkable work. Our aim is to develop this University ultimately as a Research University.

I again welcome you all and wish you a very successful academic career as students of this University.

Dr. Patangrao Kadam

Important Dates

PHARMUG-2018

- | | |
|--|--|
| A) Last date for submission of online application form | 7th June 2018 upto 5.00 p.m.
at : www.bvuniversity.edu.in |
| B) Date and Time of Entrance Test (written) (PHARMUG-2018) | 10th June 2018
11.00 a.m. to 2.00 p.m. |
| C) Centers of (PHARMUG-2018) (Places where Written Test will be held) | |
| 1) Pune
Bharati Vidyapeeth
(Deemed to be University)
Poona College of Pharmacy
Paud Road, Erandwane,
Pune-411 038
020- 25437237 | 2)Navi Mumbai
Bharati Vidyapeeth's,
College of Pharmacy
Sector 8, CBD Belapur,
Navi Mumbai - 400 614
Tel.No. : 022-27571505,
Fax : 022-27574515 |
| 3) New Delhi
Bharati Vidyapeeth (Deemed to be University)
Institute of Management & Research
A-4, Rohtak Road, Paschim Vihar,
Attached to Paschim Vihar, (East Metro Station)
New Delhi-110063 Ph. : 011-25285808 | |
| D) Declaration of result (PHARMUG-2018) | 20th June 2018 after 5.00 pm.
at : www.bvuniversity.edu.in |
| E) Counselling & on the spot admissions(PHARMUG-2018) | 4th & 5th July 2018 at 9.00 hrs.
at Bharati Vidyapeeth
(Deemed to be University)
Poona College of Pharmacy
Paud Road, Erandwane,
Pune-411038,
Tel.No.-020- 25437237 |
| F) Commencement of Classes | 9th July 2018 |

Note : The candidate should confirm their merit number from the website mentioned above and report for counselling as per the schedule given on **page no. 32.**

Please Note: The admission to the B.Pharm programme at the Poona College of Pharmacy, Pune are subject to directions from U.G.C., Ministry of HRD and the State Government, Maharashtra from time to time.

Pro-Chancellor's Message

Hon'ble Prof. Dr. Shivajirao Kadam

PRO - CHANCELLOR
Bharati Vidyapeeth (Deemed to be University) Pune



Dear Students,

At the outset, let me welcome all of you who are intending to join our University.

I am extremely happy to note that you have selected our University for your further studies. All of you know that Bharati Vidyapeeth (Deemed to be University) is one of the leading Universities in the country having 'A' grade awarded by Ministry of Human Resource Development, Government of India.

It is re-accredited with 'A+' grade in 2017 by NAAC, Bangalore. It is also significant to note that some of its constituent units have ISO 2001-2009 certification. Our University has excellent infrastructure for all its constituent Institutions such as well-structured spacious buildings, continuously updated laboratories and hostels with all necessary amenities and facilities.

Today, the horizons of knowledge are expanding exponentially. It is, therefore, a challenge to cope up with this vibrant system of higher education and Bharati Vidyapeeth (Deemed to be University) is well-equipped to impart latest training and education to its students. We are committed to provide excellent teaching, learning and research under our 12 faculties. The University continuously updates the courses of studies being taught in our constituent Institutions, keeping in view, the rapid changes and dynamism around. Our libraries are continuously updated. The University ensures not only high quality training, education in the respective areas of knowledge to the students, but also places emphasis on all-round development of the students. Abundant opportunities

are also provided for co-curricular and extracurricular activities on the campus. In the discharge of its social obligations, the University is, no doubt, committed to see that the students graduating from this University are well-trained and well-prepared for jobs and become responsible citizens of the country.

The track record of the achievements of the University is indeed commendable. It is a matter of pride for us that scores of our students have achieved successes in their respective fields and established themselves in different spheres of life. We are aware that the success of any University largely depends on the number of successful students. It produces for the service of the society and the nation.

We, therefore, take every care for your bright future career and help you to translate your dreams into reality.

Once again, I take this opportunity to welcome all of you to the family of Bharati Vidyapeeth (Deemed to be University) and wish you success in your life.

Prof. Dr. Shivajirao Kadam

Vice-Chancellor's Message

Hon'ble Prof. Dr. Manikrao Salunkhe

VICE - CHANCELLOR
Bharati Vidyapeeth (Deemed to be University) Pune



It is a matter of immense pleasure for me to be a part of Bharati Vidyapeeth (Deemed to be University) family as its Vice Chancellor. I take this opportunity to welcome the new students joining the various courses of the university. The students moving away from the folds of their family and coming to a new place for education should feel that they are just moving away from one family fold to another. Their teachers, seniors and peers, all form an extended family from whom they can look up for any guidance, support and help to move ahead in life as professionals in their respective fields they have opted.

Bharati Vidyapeeth's (Deemed to be University) Poona College of Pharmacy is a pioneering and one of the leading colleges imparting pharmacy education in the country. Realising the need for training the students in Pharmaceutical Sciences, the college was established in 1981. All the alumni, over the years, have been placed in national as well as international organisations.

The college library is rich and updated with huge volume of books, and back issues of national and international journals of repute, including Chemical Abstracts and Pharmacopoeias. The college houses spaciouly laid out, highly equipped and properly maintained laboratories

for different branches of Pharmacy. The faculty members keep themselves abreast of recent developments in the pharmaceutical sciences through reading and discussions. The highly qualified faculty of the college alongwith impressive infrastructure such as state- of- the-art laboratories and class rooms, provide an excellent research environment complementing the ongoing teaching and research initiatives.

As a student of Pharmacy, you are the torch bearers of the institute to carry the message of sustainable healthcare services. I wish and assure you, on behalf of the University family, that we will help you pursue your objectives of life under the varied social, cultural and economic environment and make the University family proud of your attainments.

Prof. M.M.Salunkhe



Bharati Vidyapeeth **(Deemed To Be University),** **Pune, (India)**

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Information Brochure of Entrance Test **PHARMUG - 2018**

For Admission to
Bachelor of Pharmacy Course
(B.Pharm)
and
Doctor of Pharmacy Course
(Pharm.D)

at Poona College of Pharmacy, Pune

Ranked 8th Top Pharmacy institute by NIRF 2017 National ranking.
Reaccredited for Third Cycle by National Board of Accreditation (NBA), New Delhi
An ISO-9001-2015 Certified Institute

Bharati Vidyapeeth (Deemed to be University), Pune

Bharati Vidyapeeth, the parent organization of this University is one of the largest educational organizations in the country. It has 180 educational units under its umbrella including 80 Colleges and Institutes of conventional and professional disciplines..

The Department of Human Resource Development, Government of India on the recommendations of the University Grants Commission accorded the status of "Deemed to be University" initially to a cluster of 12 units of Bharati Vidyapeeth. Subsequently, 17 additional colleges / institutes were brought within the ambit of Bharati Vidyapeeth (Deemed to be University) wide various notifications of the Government of India. Bharati Vidyapeeth (Deemed to be University) commenced its functioning on 26th April, 1996.

Constituent Units of Bharati Vidyapeeth (Deemed to be University)

1. BVDU Medical College, Pune.
2. BVDU Dental College & Hospital, Pune
3. BVDU College of Ayurved, Pune
4. BVDU Homoeopathic Medical College, Pune
5. BVDU College of Nursing, Pune
6. BVDU Yashwantrao Mohite College of Arts, Science & Commerce, Pune.
7. BVDU New Law College, Pune
8. BVDU Social Science Centre (M.S.W.), Pune
9. BVDU Yashwantrao Chavan Institute of Social Science Studies & Research, Pune.
10. BVDU Centre for Research & Development in Pharmaceutical Sciences & Applied Chemistry, Pune
11. BVDU College of Physical Education, Pune.
12. BVDU Institute of Environment Education & Research, Pune
13. BVDU Institute of Management & Entrepreneurship Development, Pune
14. BVDU Poona College of Pharmacy, Pune
15. BVDU College of Engineering, Pune
16. BVDU Interactive Research School in Health Affairs (IRSHA), Pune
17. BVDU Rajiv Gandhi Institute of Information Technology & Biotechnology, Pune
18. BVDU College of Architecture, Pune
19. BVDU Abhijit Kadam Institute of Management & Social Sciences, Solapur
20. BVDU Institute of Management, Kolhapur
21. BVDU Institute of Management & Rural Development administration, Sangli
22. BVDU Institute of Management & Research, New Delhi
23. BVDU Institute of Hotel Management & Catering Technology, Pune
24. BVDU Yashwantrao Mohite Institute of Management, Malkapur- Karad
25. BVDU Medical College & Hospital, Sangli



26. BVDU Dental College & Hospital, Mumbai
27. BVDU Dental College & Hospital, Sangli
28. BVDU College of Nursing, Sangli
29. BVDU College of Nursing, Navi Mumbai

The status of University was given to a cluster of these colleges and institutes in appreciation of the high level of their academic excellence and for their potential for further growth.

During the last 20 years or so, the University has achieved higher pinnacle of academic excellence and has established its reputation to such an extent that it attracts students not only from various parts of India but also from abroad. According to a survey conducted by Association of Indian Universities, this University is one among the top ten Universities in the country preferred by the overseas students for admissions. At present, there are more than 602 overseas students from 45 countries on the rolls of constituent units of this University.

During the last 20 years, there has been tremendous academic expansion of the University. It now conducts in all 290 courses in its constituent units, of them 107 are Post Graduate, 40 are Under Graduate and 37 Diploma level and 14 are PG Diploma level courses. 11 Fellowship and 5 certificate courses. All the professional courses which the University conducts such as those of Medicine, Dentistry, Engineering etc., have approval of the respective statutory councils, viz., Medical Council of India, Dental Council of India, All India Council for Technical Education etc.

The University is a throbbing center of research activities and has launched Ph.D. programmes in 79 subjects and M.Phil in 2 subjects. It has also introduced quite few innovative academic programmes such as Masters in Clinical Optometry, M.Tech. in Nano Technology etc.

The University's performance and achievements were assessed by the "National Assessment and Accreditation Council" and it was accredited with a prestigious "A+" Grade in 2017. Some programmes of the constituent units such as Poona College of Pharmacy, College of Engineering at Pune & the Institute of Management and Research, at New Delhi, have also been accredited by "National Board of Accreditation". Three constituent units of Bharati Vidyapeeth (Deemed to be University) are also the recipients of ISO 9001-2001 certifications.

In 2017, in the assessment under National Institutional Ranking Framework (NIRF), by Ministry of HRD, Govt. of India, the university is ranked 54th at National level among universities. Also its constituents units-i.e. Poona College of Pharmacy, Pune is figured at 8th place, College of Engineering, Pune at 66th place, Institute of Management and Entrepreneurship Development, Pune at 40th place and Rajiv Gandhi Institute of Information Technology and Biotechnology at 30th place at the national level.



Salient and Distinctive Features of Bharati Vidyapeeth (Deemed to be University)

This University:

- | is one of the largest Deemed to be University in the country established u/s. 3 of the UGC Act, 1956;
- | is a multi-faculty University offering a variety of courses in 12 faculties namely Faculty of Arts, Social Sciences and Commerce; Faculty of Science; Faculty of Law; Faculty of Medical Sciences; Faculty of Dentistry; Faculty of Ayurveda; Faculty of Homoeopathy; Faculty of Nursing; Faculty of Pharmaceutical Sciences; Faculty of Management Studies; Faculty of Engineering & Technology and Faculty of Interdisciplinary Studies is accredited and reaccredited by the NAAC with prestigious 'A+' grade.
- | is probably the only University of its kind in the country having three self-financing Research Institutes devoted exclusively to the researches respectively in Health Related Sciences, Pharmaceutical Sciences and Social Sciences.
- | has the distinction of getting recognition from the University Grants Commission u/s. 12 (B) of its act;
- | is a University, which is academically and intellectually very productive. Its faculty members have a very laudable track record of research, publications and patents;
- | has created a special fund to provide research seed money to its faculty members;
- | has digitalized the libraries of its constituent units and which makes an extensive use of modern Information and Communication Technology in teaching, learning and research and also in administration;
- | publishes its own scientific Journal. Besides, two of its Management Education Institutes publish their own academic journals which have gained recognition in the core academic circles;
- | has established linkages with more than 50 national and international reputed academic institutions, such as North Carolina A & T University (USA), University of Cologne, (Germany), Liverpool Law School, (UK), Kingston University (UK), Pioneer Research Centre for Nano-grid Materials, Pusan National University, Busan (South Korea), Deakin University (Australia), Salford University (Australia), Oxford Brookes University (UK) and several others;
- | has several colleges of health related sciences such as Medicine, Dentistry, Ayurved, Homoeopathy, Nursing, Audiology & Speech Language Pathology, Optometry in one campus (Pune). This has facilitated introduction of interdisciplinary courses and research.
- | IRSHA, its health related Sciences Research Institute has done a good path breaking research work on Omega 3 Fatty Acids and has taken a lead in encouraging farmers to cultivate flax seeds which are major source of Omega 3 Fatty Acids.
- | Its Institute of Environment Studies & Research Education has adopted several primary schools, wherein it implements its programmes of creating environmental consciousness among the students. Its work has received national level applaud.
- | is a throbbing centre of academic activities and has organized several national and international level seminars, conferences, workshops, etc.
- | runs a School of Performing Arts, wherein graduate and postgraduate programmes in various Performing Arts including dance, music etc., are conducted in the traditional Gurukul system.



Our Campuses

Bharati Vidyapeeth (Deemed to be University) has campuses in Pune, Mumbai, Solapur, Kolhapur, Sangli, Karad and New Delhi, the capital city of India. It's two Medical Colleges are located in Pune and Sangli.



Poona College of Pharmacy



B. PHARM / PHARM. D.

www.pcp.bharativedyapeeth.edu

Poona college of Pharmacy is the first Degree College of Pharmacy in the Pune region established in 1981 and It is grant-in aid institute of Government of Maharashtra State. Dr. Pantagrao Kadam, Founder of Bharati Vidyapeeth and Chancellor Bharati Vidyapeeth (Deemed to be University), in view of providing quality education and research in field of Pharmacy took lead to establish this college. Under the dynamic leadership of Pro-Chancellor Prof. Shivajirao Kadam, and Principal, Dr. K. R. Mahadik, the college has developed as one of the centers for academic excellence in Pharmacy.

Poona College of Pharmacy was earlier permanently affiliated to University of Pune. In recognition of high level of academic excellence of college and its potential for further growth it is brought under the umbrella of Bharati Vidyapeeth (Deemed to be University) from academic year 2000. Since 1985-86, the college provides Post Graduate education (M. Pharm.) in six branches viz. Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, Pharmacognosy, Pharmaceutical Biotechnology, Quality Assurance Techniques and Drug Regulatory Affairs. It is the first institute in Maharashtra State approved by PCI in 2008 to provide education in Doctor of Pharmacy (Pharm.D.), a Post Graduate Programme in Pharmacy Practice. The college is also recognized center for Doctoral research all these branches.

The College has been granted approval by the All India Council for Technical Education, New Delhi, which is the apex body controlling technical and professional education in the country. The College has also been recognized by the University Grants Commission under Sections 2(f) and 12 (B) of its Act. The College and its degrees are also approved by the Pharmacy Council of India, New Delhi. Recognition by all the three apex bodies bear a testimony to a very high level of academic excellence the college has achieved.

At national level the college has been ranked 8th position by NIRF, 2017, Government of India. Our college is probably the only college in the country to have been reaccredited from both NBA and NAAC for Third Cycle and has got the coveted "A" Grade. M.H.R.D., Govt. of India has awarded "A" Grade University Status to Bharati Vidyapeeth (Deemed to be University) The college is also an ISO-9001-2015 certified institute. The UGC in recognition of our expert faculty, research achievements, high level of academic excellence and rich infrastructure has inducted us in the Departmental Research Scheme (DRS) of the Special Assistance Programme (SAP) of UGC. AICTE has granted us the status of Quality Improvement Cell (Q.I.P.) for teaching fraternity to register themselves for M.Pharm. and Ph.D. programmes. In addition we have been receiving grants from all the major funding agencies like AICTE, UGC, DST, DBT, DRDO etc.



LABORATORIES



The College houses spaciouly laid out, highly equipped and properly maintained laboratories for different branches of Pharmacy viz. Pharmaceutics, Pharmaceutical and Medicinal Chemistry, Pharmaceutical Analysis, Pharmacology, Pharmacognosy and Natural Products, Quality Assurance, Microbiology, Computer Education, Industrial Pharmacy, Tissue Culture, Computer Aided Drug Design and Polymer Research. We have provided separate laboratories for the M.Pharm students of all the six branches viz. Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, Pharmacognosy, Quality Assurance Techniques and Pharmaceutical Biotechnology. Separate Clinical Pharmacy department for Pharm.D. studies is also provided with state of art facilities for clinical research, pharmacovigilance and for patient counseling. Drug and Poison information center run by the department is unique facility in this part of country to provide authentic and unbiased information on drug related issues. All these laboratories have the necessary and latest instruments and equipments. The undergraduate students have been provided with separate laboratories which are also equipped with all the required instruments.

Our laboratories are equipped as comparable to the level of international standards and norms (and thus have set an example for others.) Separate analytical instrument rooms have been provided which house sophisticated and ultramodern instruments like UPLC Ultraviolet Spectrophotometer, Fourier Transform Infra Red Spectrophotometer, Atomic Absorption Spectrometer, Gas Chromatograph, High Performance Liquid Chromatograph, SFC, TGA, pcr, Cryocentrifuge, High Performance Thin Layer Chromatograph, Differential Scanning Calorimeter, LC-MS/MS, GC MS/MS, ICP MS, Spectrofluorimeter etc. Dissolution Test Apparatus, Extruder-Spheronizer, Fluidized bed Processor, Tablet Coater, Electrospinning, Microfluidizer, Ultrasonicator, Polarising Microscope, Homogenizer, stereomicroscope, Particle size analyser, Fermentor, CO₂ incubators, Rheometer are available in the Pharmaceutics research laboratory. Pharmacology research laboratory has instruments like Langendorff apparatus, Plethysmometer, Analgesimeter, Polygraph while Pharmacognosy research laboratory has facilities for plant tissue culture, sohxlet extractors, etc. Rarely one would find such an updated and sophisticated equipments elsewhere in any other Pharmacy College. All these facilities have been created for the use of undergraduate as well as post-graduate students, research scholars and the faculty members.

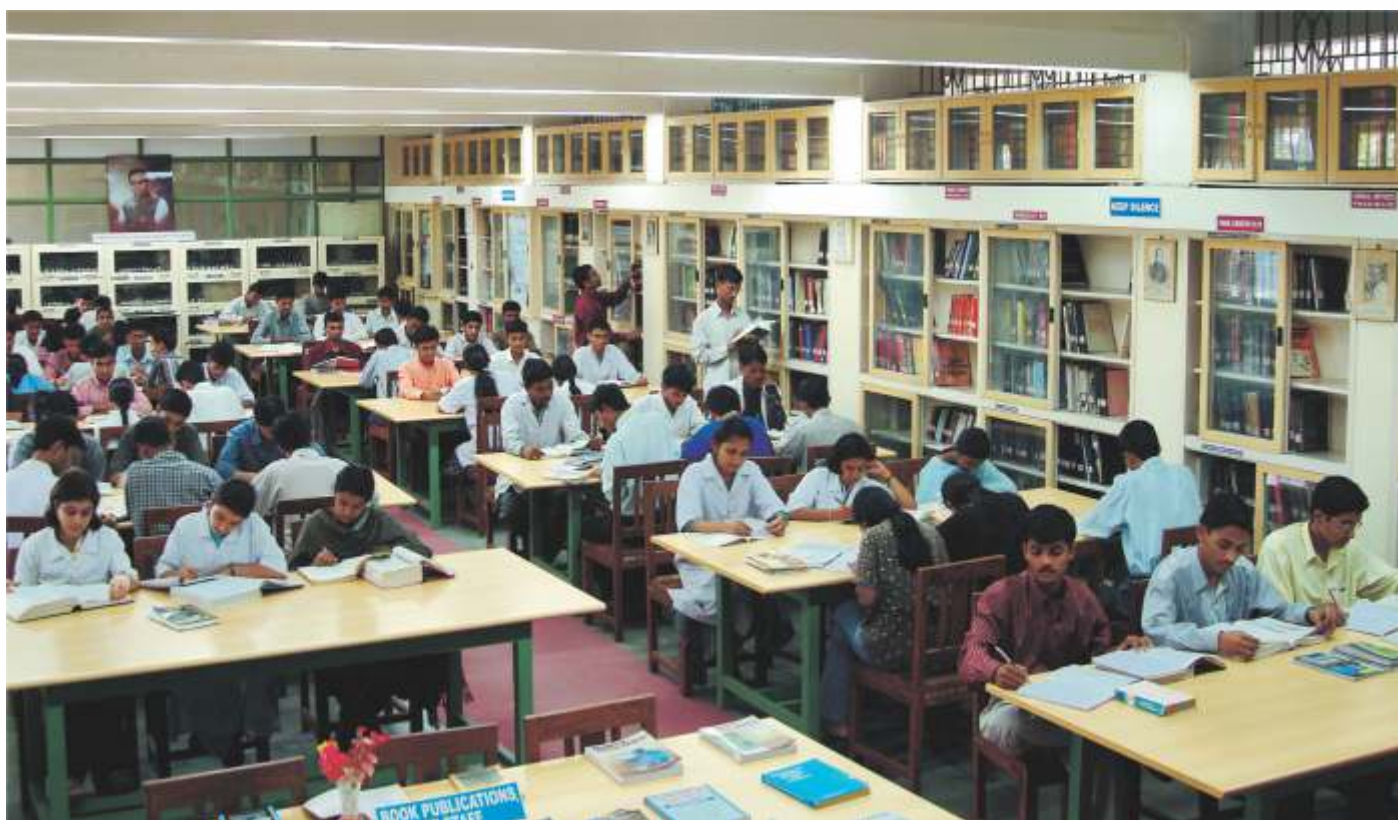


LIBRARY

Library facilities are the heart of any educational institution. The college library has been recently renovated and has now a beautifully illuminated, well ventilated and furnished reading hall. This rich and up-dated library possesses a large number of books, and back issues of national and international journals of repute, including Chemical Abstracts. The library is updated every year and newer journals, books and abstracts are added to it. This helps the faculty members and students to keep themselves abreast of recent developments in the pharmaceutical sciences.

The library is kept open for the students from morning till late in the evening. The students have open access to the books. Book Bank facility is also available for the students of scheduled castes, scheduled tribes and also for the economically backward students. Faculty members from other Pharmacy Colleges often visit our library for referring to Pharmaceutical literature. Quite a few Pharmaceutical industries in and around Pune also take the advantage of our library.

Recently we have computerized our Library whereby we connected our library with the libraries of other institutions in our Erandwane campus. They can be now accessed from our college. This kind of networking is only of its kind in this region and will open the flood gates of information and knowledge to our students. Our library is also digitalised and our students have access to numerous reference books and more than 13,000 journals on line.



RESEARCH ACTIVITIES

The significance for research for the development of any science can not be overemphasized. This is more true about the Pharmaceutical Sciences. There is an increasing need to invent more and more new medicines to counter the new diseases. The College gives encouragement in all the ways to the faculty and to the students in their research activities in different areas of Pharmaceutical Sciences. The College provides state of the art equipment and other facilities to the students and to the faculty with a view to encourage their research and developmental activities. The Principal and the faculty members of this College have been successful in getting large amounts of grants for their different research projects from different funding agencies including All India Council for Technical Education, University Grants Commission DRDO, DST and the like.

The different areas in which research work is undertaken in this College are : Nanomedicines, vesicular drug delivery systems, polymeric micelles, dry powder inhalations, nasal drug delivery systems, development of biodegradable polymers, floating tablets, formulation development etc in the department of Pharmaceutics; Simultaneous estimation of multicomponent formulations by GC., HPLC, HPTLC, SFC, UV-VIS spectrophotometer; Synthesis and biological activity of Cyclodextrin esters and Amino acid conjugates a Prodrug approach, Synthesis and Pharmacological activity of some Phenothiazines etc. in Pharmaceutical Chemistry ; Screening of CNS depressants, Skeletal Muscle Relaxants, Haematinic, Toxicity studies etc. in Pharmacology ; Isolation and Identification of active principles from medicinal plants, Development of anti AIDS formulation, Herbal drug standardisation, Wound healing formulation, Plant tissue culture techniques, Isolation and studies on Gums of natural origin etc. in Pharmacognosy, Validations of instruments, equipments and tablet, granulation, mixing, coating machinery etc. in Quality Assurance Techniques. The research undertaken under Pharm.D. programmes covers varied subjects like pharmacovigilance, pharmacoconomics, rational drug use and community pharmacy.

The students and faculty members regularly publish research papers in the journals of national and international repute. This has been evidenced by the number of publications they have got to their credit. They have published so far about 223 research papers in national and over 850 in international journals. They also participate in national and international conferences and present their research papers.

The interest of our faculty in research is evident also from the fact that 28 out of the 40 staff members are already holding Doctorate degrees, while the remaining are doing their research work for Ph.D. 138 of our students have already been awarded the degree of Ph.D. and 50 research scholars have registered themselves for Ph.D. with us.



Our research interests are further evidenced by the fact that we have upto now organized several regional and national level workshops and seminars on recent developments in Pharmaceutical Sciences. We invited speakers from industries, as well as, from other universities and colleges to deliberate in the proceedings.

The faculty members have 49 patents to their credit on particle engineering, novel drug delivery system, anti-aids formulation, process development, polymer development etc.

The college has been sanctioned a special grant by UGC under its Special Assistance Programme (SAP) taking into consideration research potential of our faculty. The college has gained 9th rank in research based on scopus database- (Indian Journal of Pharmaceutical education and Research Vol. 45(1), 1-7, 2011). and ranked 3rd top private pharmacy college in India as per Career 360, May 2015.

QUALITY IMPROVEMENT PROGRAMME (QIP)

In recognition of ultra modern infrastructural facilities and instruments & expert faculty, our College has been approved as a centre under the Quality Improvement Programme (QIP) of AICTE, New Delhi. It is gratifying to mention that it is the only QIP Cell in Maharashtra. Under this scheme faculty members from other institution can pursue higher studies to acquire M.Pharm & Ph.D. Degrees.

CONTRIBUTION IN AREA OF PHARMACY PRACTICE:

Our institute is the pioneer institute recognized by Pharmacy Council of India to offer the Doctor on Pharmacy Programmes in Maharashtra State. We have ultramodern pharmaceutical facilities as well as multi-specialty Bharati Hospital to provide quality education in patient care. The Department of Doctor of Pharmacy Programme is uniquely designed interactive centre for medical and paramedical professionals and easily accessible for patients of Bharati Hospital and from outside. Drug Information Centre of the department is enriched with e-drug information databases, foreign reference catalogues and handbooks. During the course of studies our students of Post Baccalaureate course have worked upon many case studies and working hand-in hand with physicians for betterment of patient.

The outcome of the Pharm D Education has lead to contribution in the sectors like clinical Research, Regulatory affairs, Pharmacovigilance, Clinical Pharmacists in hospitals, Advance Research and academia.

College recognized the need and importance of patient-oriented pharmacy practice, for which college has extended its services to fulfill the needs of professionals as well as patients. Faculty members of this college have authored many books and published about 40 research papers in Journals of interaction repute. The department also publish quarterly bulletin "PharmaWiz". Through Drug and poison information center. We provide authentic information to medical and paramedical, professionals and also patients. With the support of Maharashtra State Pharmacy Council, college has been organizing continuous education programmes for community and hospital pharmacists. With the aim of benefit to the society and uplifting image of the profession, our college regularly publishes various popular articles in the newspapers and addresses the patient related concerns at public platforms.



INDUSTRY ACADEMIC INTERACTION

Pharmacy Colleges should have sustained interactions with Pharmaceutical industries because the Pharmaceutical Sciences are essentially application oriented. So there is always a need for bringing academic institutions imparting education in Pharmacy and Pharmaceutical industries together. Our college laboratories are used by the Pharma industries in the region as Testing Laboratories. More over since 1986-87, the College has been conducting Pharmacy Cup Cricket Tournament, as an annual feature in which several Pharmaceutical Industrial units and Pharmacy Colleges participate. This kind of interaction generates a strong feeling of togetherness amongst the industries and the Pharmacy Colleges.

INDUSTRY INSTITUTE PARTNERSHIP CELL (IIPC)

AICTE has established an industry-institute partnership cell in the college, which works as a liaison center between industry and various departments of the institute for activities, which are mutually beneficial.

IIPC has come out with a software package PCP Disso V3i for model fitting and analysis of dissolution data. IIPC is currently co-ordinating research projects with different industries such as Raj Udyog, Indus Biotech etc.

IIPC of our institute has been awarded excellent grade for 2002-2003, by AICTE, New Delhi.

PLACEMENT

The placement track record of our college is exceptionally good. A large number of multinational companies, as well as, Indian pharmaceutical companies regularly visit our campus to recruit the students as their employees. Renowned and prestigious companies such as Elli Lilly, Ranbaxy, Wockhardt, Novartis, Aventis, Cipla, Lupin, Natco etc. have visited our college for recruitment of our students. Our Pharm.D. graduates also placed well in reputed organizations like SciFormix, Congijant, TCS, Quintiles, Sanofi, Aventis, Johnson & Johnson, Apollo Hospital, Breach Candy, Fortis Hospital and Paul University.

PUBLIC TESTING LABORATORY

Food and Drugs Administration of Maharashtra State has approved our laboratories as Public Testing Laboratories, for analysis of Allopathic & Ayurvedik formulations. We have also started a Food Testing Laboratory. These laboratories also cater to the needs of Pharmaceutical, Chemical and allied industries, for analysing raw materials, medicinal substances, cosmetic, surgical products and health care accessories. Multinational companies like Hoechst Roussel Merian, Fresenius Kabi, Thermax, Emcure group of companies and others regularly send their samples to our laboratories for analysis.



COLLABORATIONS

The College has established collaborative linkages with quite a few national and multinational companies.

Our major Collaborations are :

- 1) Collaborative research projects in the area of particle engineering are being sanctioned by Royal Society, UK and Japanese Society of Promotion of Science Japan. Under these projects collaborations have been established with Institute of Pharmaceutical Sciences, Toho University, Japan.
- 2) Collaborative research project with School of Pharmacy University of London, U K
- 3) In the area of herbal drug, research collaborations have been established with, Hygienic Research institute, Mumbai, Indus Biotech.
- 4) We at this college always believe that our students must get wider exposure to the Pharmaceutical industries. Keeping this in view, we have entered into a collaboration with Soverign Pharmaceuticals, which is a well-known drug manufacturing company. This gives an opportunity to our students to have practical industrial experience. This is probably the first experiment of its kind in the country.
- 5) We have entered into a collaboration with Intervet (Hoechst Marion Roussel), another multinational company for analyzing their raw material, as well as, their finished Pharmaceutical products in our laboratories.
- 6) A post graduate programme in biotechnology has been implemented in collaboration with National Chemical laboratory, Pune, Serum Institute of India, Pune and University of Pune.
- 7) Collaborations - MOU for formulation development has been signed with Indian Immunologicals Ltd. Hyderabad, Zim Laboratory Nagpur, Reliance Pvt. Ltd., Abbot India, Indus Biotech, Tata Chemicals, Vamsi Labs Gujrat
- 8) Technology transfer agreements have been signed with FF Corporation Japan, Advanced Biochemicals, Snehal Foods and Feeds for Formulation Development and evaluation.
- 9) MOU with Indian Institute of Integrated Medicine Jammu for Herbal Drug Research.
- 10) Pharmacological and Toxicological evaluation projects are conducted for Dynamis Therapeutics Ltd., USA, Emcure Pharmaceuticals and Raj Biotech.



OUR ALUMNI

Over 3000 students have graduated from our College so far. Almost all of them are well placed and doing well in their respective fields. Over 125 students have become entrepreneurs having their own Pharmaceutical units. About 500 of our best students are working in very high positions in different industries. About 700 students have got admissions in the United States for higher studies and nearly 500 are successfully doing jobs there. This College can boast of the fact that about 400 students are working as teachers of Pharmaceutical Sciences who are imparting knowledge to the younger generation in different colleges and universities throughout India. Our past students meet regularly to help for the betterment of the college.

COMPUTER FACILITIES

The use of computer has become inevitable in all the walks of life and so in our College we emphasize the computer training for our students in various ways. We have developed very good computer application laboratory and internet facilities. Our students can use sophisticated facilities such as Silicon Graphics for computer-aided drug design in their research.

Internet facility has been provided to the students in our computer laboratory where the students can online look for jobs/placements in India and abroad. It has also become very convenient way for them to search for admissions abroad or post-doctoral fellowships etc. through the internet. This facility helps our research students very much to undertake literature survey for their dissertation work through the World Wide Web and the different search engines available for this purpose.

In addition, the new research wing has computer & internet facility on every floor of the building.



BHARATI HOSPITAL PUNE

Bharati Hospital is a 1000 bedded teaching hospital located at its Katraj campus, Pune. In a spacious accommodation of 28000 sq.m., the hospital provides health services in almost all the areas including general medicine, chest and T.B., psychiatric, E.N.T. and surgery. The biochemical and pathological laboratory, blood bank, are equipped with all the modern instruments for biochemical and pathological testing and storage of blood. Well qualified and experienced faculty having technical expertise is available for teaching and medical care.



ALL ROUND DEVELOPMENT OF STUDENTS

Academic development, as well as, personality development of the students have been our major concerns. We make efforts to bring about all sided personality development of our students. With a view to achieve this objective the College undertakes numerous student centric activities. The college regularly publishes two periodicals "Insearch" and "Capsule" and opportunities are thus provided to the students to give expression to their literary, artistic and other talents. The students are encouraged to participate in the major inter-collegiate cultural and sports competitions like the Late Firodia Cup inter-college cultural competition, competitions organized by Indian Express and such other events. Annual social gathering is another such avenue for the students to show their artistic potential. Bharati Vidyapeeth which runs this college organizes various cultural, debating and literary competitions and other events, regularly. Our students participate in them and have won laurels for the college.

We give our students wider academic exposure through various seminars and workshops. It is not, therefore, surprising that our students bring laurels to the college through their achievements in the inter collegiate competitions.





The Indian Pharmaceutical Association (IPA), Pune branch is very active and our students work there as student council members and interact with Pharma professionals at various levels which increases their confidence and helps them to develop contacts with the industry. The students of this college have bagged twice a prestigious National Pharmacy Week Champion trophy, an annual NPW celebration by IPA.

The college regularly arranges lectures of eminent experts from both industry and academic institutions for the graduate and post-graduate students which help them to keep themselves abreast with the recent developments in their disciplines.

A medical check-up is organized every year for the students and the students are provided with free medical treatment at our Bharati Hospital.

HOSTEL FACILITIES

Separate hostel facilities for boys, as well as girls are available on our campus. The hostels provide neat and clean rooms with proper ventilation and light. Quality food is provided in the mess. We maintain strict discipline in the hostels.

ACCREDITATION

National Board of Accreditation (NBA) reaccredited the college of third cycle of five year period. This recognition of our quality by the Apex body for Technical education in India is another feather in our cap.

National Assessment and Accreditation Council (NAAC) Bangalore has reaccredited Bharati Vidyapeeth (Deemed to be University), Pune, with 'A+' grade in 2017. M.H.R.D., Govt. of India also awarded 'A' Grade University Status to Bharati Vidyapeeth (Deemed to be University), Poona College of Pharmacy is one of the constituent unit of this University.

The college has also obtained ISO-9001-2015 certification.



About Pharm. D. Programme

Pharmacy Council of India, the apex body of pharmacy education has introduced Pharm.D. (Doctor of Pharmacy) programme from academic year 2008-09 in institutes of high repute and having background of pharmacy practice and hospital setup. Bharati Vidyapeeth (Deemed to be University) is the first university from Maharashtra to offer Pharma.D. course at its Poona College of Pharmacy, Pune (vide PCI letter 50-17/2008-PCI-10823-25 dt. 9-9-2008) and Pharm.D. (PB) programme has been approved by PCI u/s 12 of the Pharmacy Act (vide letter 17-1/2012-PCI/60389-723 dt 12.10.2012).

Pharmacy Practice: Practicing pharmacists play a vital role in the health care system through the medicine and information they provide. Pharmacist as a 'health care provider' performs wide range of patient care activities like dispensing medications and therapeutic drug monitoring to maximize patients' response to the medication. They also educate consumers and patients on the use of prescriptions and over-the-counter (OTC) medications, and advise physicians, nurses, and other health professionals on rational drug use. Pharmacists are experts about the composition of drugs, manufacturing and use. They ensure purity, strength and expiry of drugs. They make sure that drugs do not interact with other drug or food in harmful way.

In India pharmacy education is given at different levels, viz. Diploma in Pharmacy, Bachelor of Pharmacy, Master of Pharmacy and doctoral research. Since inception pharmacy curriculum is technology oriented, B.Pharm. and M.Pharm. graduates prefer industrial jobs and pharmacists holding D. Pharm. run most of the medical stores, where the practice is trade oriented, which unfortunately lack patient related services. Patient counselling is not provided to the patients. Drug information services to the public, nurses, doctors and other health professionals are not available. This has led to several medicines related issues on the rise.

Pharm. D. New curriculum: In the developed countries and many developing countries, the Doctor of Pharmacy (Pharm.D.) has been accepted as minimum qualification for pharmacy practice. The Pharm. D. is a post graduate degree based on the extensive clinical training. Pharm.D. and Pharm.D (BP) passed candidates will be awarded Doctor of Pharmacy (Pharm. D.) degree and are allowed to prefix "Dr" before their name. As it is PG qualification candidates are eligible to get register for Ph.D. studies. As per PCI notification, Pharm.D. Degree is equivalent to M.Pharm. Qualification and are eligible for teaching post in any pharmacy institute. The Pharm.D. is registrable qualification under the Pharmacy Act 1948 and these are eligible for examination for licensure as a registered pharmacist, in turn to practice pharmacy in western countries. Across the world many Indians are serving this golden profession. Recently western countries have closed the doors for the candidates qualifying with four years B. Pharm. to serve as registered pharmacist. Hence, it was felt necessary to prepare pharmacy professionals with a new facet who would provide services to the community in the country and at international level.

The Ministry of Health, Govt. of India has approved the Pharm. D. Regulations in March 2008. This development heralds India's entry into pharmacy practice training and education in a big way. This course has two entry levels:

- a) Pharm. D. is a 6 year (5 years + 1 year internship in a hospital) course, providing intensive training in pharmacy practice and clinical pharmacy services. Candidates pass in 10+2 examination with physics and chemistry as compulsory subjects along with mathematics or biology as one of the subjects, or those who pass in D.Pharm. course are eligible for the course.
- b) Pharm. D. (Post Baccalaureate) course is of three years for the candidates with B.Pharm. Degree.

The Pharm.D. curriculum of international standards is designed to produce a scientifically and technically competent pharmacist who can apply this education in such a manner so as to provide maximum health care services to patients. Students are provided with the opportunity to interact with health practitioners and gain greater experience in patient care.

Potential of the course : The practice of pharmacy is a vital part of a complete health care system and the number of people requiring health care services has steadily increased worldwide. At global level, Pharmacist is not only ranked as top professional but the increased demand for pharmaceutical care services have resulted in a dramatic increase in earnings. Healthcare system in India is also changing from mere treatment based dispensaries to health conscious state-of-art hospitals having health insured schemes.

Programme Education Outcomes (Pharm.D.)

- To provide a comprehensive and integrative pharmaceutical education leading to Doctor of Pharmacy (Pharm.D.) degree.
- To provide hands on training through a state of art infrastructure to meet the challenges of drug discovery and pharmaceutical care.
- To integrate knowledge and skills with clinical research to promote health care.
- Understand and appreciate the role of health care education in the development of society and on mankind's welfare.
- To inculcate leadership capabilities as member of health care team.



Dr. B. Suresh, President PCI, New Delhi at the inauguration function of National Conference 2012-13.



Inauguration of DIC : Shri B.R. Masal
Jt Commissioner FDA PUNE, MSPC & CAPD Members



Participation in Polio vaccination campaign



Celebration of Pharmacists Day

Poona College of Pharmacy At a Glance

- ▶ Pioneer Pharmacy College in this region and first institute in Maharashtra State approved by PCI to provide Pharm.D and Pharm.D(PB) education.
- ▶ Ranked 8th by NIRF 2017, Government of India.
- ▶ Reaccredited for B.Pharm. Course by NBA New Delhi for Third Cycle.
- ▶ "A" Grade University Status awarded by M.H.R.D., Govt. of India & 'A+' grade by NAAC reaccreditation 2017.
- ▶ ISO-9001-2015 Certified Institute.
- ▶ Based on research in Pharmacy School of India : A study based on Scopus database, our college has gained 9th rank amongst the all India Pharmacy Colleges.
- ▶ Ranked at 3rd Position as per survey conducted : Career 360 May 2015.
- ▶ Recognized by University Grants Commission, New Delhi, under section 2 (f) and 12 (B) of U.G.C. Act.
- ▶ Inducted by UGC under the Special Assistance Programme (SAP)
- ▶ Successfully completed research projects financed by All India Council for Technical Education, New Delhi, Ministry of Human Resource Development, New Delhi, University Grants Commission, New Delhi DBT, DRDO, DST and other funding agencies.
- ▶ Recognised Quality Improvement Programme by AICTE, New Delhi.
- ▶ Industry - Institute Partnership Cell and Entrepreneurship development cell by AICTE.
- ▶ Highly qualified, experienced and student caring faculty.
- ▶ Approved centres for post-graduate and doctoral research in Pharmaceutical Sciences.
- ▶ Well equipped Forty Five laboratories with ultramodern equipments.
- ▶ Approval of Food and Drugs Administration, Maharashtra State as Public Testing Laboratories for analysis of Allopathic & Ayurvedik formulations. The college have also started a Food Testing Laboratory.
- ▶ Meritorious performance of students at University Examinations and GPAT.
- ▶ Rich and updated Library facilities alongwith digital library
- ▶ Book Bank facility for SC and ST students
- ▶ For further details refer: www.pcp.bharativedyapeeth.edu.in

Details Regarding infra structural facilities resources available and other activities conducted at the institute are available on its website.

Programme Education Outcomes for B.Pharm.

- To provide a comprehensive pharmaceutical education leading to B. Pharm. Degree.
- To integrate pharmacy knowledge and skills with pharmaceutical research so as to increase inclination for higher studies and research.
- To develop pharmacists to contribute effectively in the social health care system.
- To provide hands on training through state of art infrastructure to meet challenges of pharmacy profession.
- To inculcate leadership and entrepreneurship capabilities in future pharmacists.

Admission Procedure

INTRODUCTION

1. Students will be admitted to B.Pharm. or Pharm. D. course in Poona College of Pharmacy, Pune of Bharati Vidyapeeth (Deemed to be University) on the basis of the merit obtained by them in the All India Combined Entrance Test **PHARMUG-2018**.
2. **PHARMUG-2018** will be conducted on **10/06/2018** from 11.00 a.m. to 02.00 p.m. at the examination centres in the following cities : Pune, New Delhi & Navi Mumbai
3. There will be one question paper. It will be set in English medium and will contain 200 multiple choice objective-type questions. The question paper will consist of 100 questions each in Physics and Chemistry These questions will be in general, set on the detailed syllabus given in Annexure - I.

4. Eligibility for appearing in PHARMUG-2018 for B. Pharm and subsequent admission

- 4.1 The candidate must be an Indian National. He has to produce a proof in support of his nationality from a competent authority.
- 4.2 **"Eligibility criteria for Maharashtra State Candidate and Outside Maharashtra State Candidate for admission to first year of degree course in Pharmacy:**

Candidate should be an Indian National and should have passed the HSC (Std.XII) examination of Maharashtra State Board of Secondary and Higher Secondary Education or its equivalent examination with subjects English, Physics, Chemistry and Mathematics/Biology/Biotechnology/Technical vocational subject AND Secured minimum **50%** marks (minimum **45%** marks in case of candidates of Backward class categories and Person with Disability belonging only to Maharashtra State) **in the subjects Physics, Chemistry and Mathematics/Biology/Biotechnology/Technical vocational subject** added together (Maximum of marks obtained in Mathematics/Biology/Biotechnology/Technical vocational subject shall be considered for the purpose of addition)"

Candidates who have passed Diploma course in Pharmacy (ER 1991) with minimum of 45% marks from AICTE approved colleges from Maharashtra State or its equivalent will also be eligible for the admission to First Year B.Pharm. (I Semester) course. The candidate must have appeared for the All India Entrance Test i.e. **PHARMUG-2018** conducted by this university.

- 4.3 Candidates who have appeared or who are likely to appear for the qualifying examination i.e. H.S.C. or equivalent but whose results have not been as yet declared can also appear for this entrance test provided they have offered the above mentioned subjects at the said examination.
- 4.4 The candidate claiming seats under 15% supernumerary quota reserved for NRI's, Persons of Indian Origin and Foreign National should apply directly to the Registrar Bharati Vidyapeeth (Deemed to be University), Pune. Their merit will be decided according to the marks obtained at HSC or its equivalent examination with Physics,

Chemistry as compulsory subjects and one of the following subjects that is Biology or Mathematics or Biotechnology or Computer Sciences and must have passed in English subject.

- 4.5 Candidates appearing in the II year of Diploma in Pharmacy examination will also be eligible for appearing in **PHARMUG-2018**

Annual Intake :

The annual intake of First Year B.Pharm. course is 100 students, out of these 60 seats are in the grant-in-aid division and remaining 40 seats are under non-grant division. All the students admitted through **PHARMUG-2018** examination will be admitted on seats approved by Pharmacy council of India and AICTE.

5. ADMISSIONS - Grant-in-Aid Division :

5.1 Supernumerary seats for NRI's Persons of Indian Origin and Foreign National (Persons of Indian Origin)-

Nine additional seats (15% of the Annual Intake) on and above 60 sanctioned seats are kept reserved for NRI's Persons of Indian Origin and Foreign National (as per the provisions in the AICTE Regulation 2000)

The admissions under all these categories shall be made on the basis of merit. The candidate seeking admissions to the seats under supernumerary seats need not have to appear for the Entrance Test **PHARMUG-2018** They should submit their applications in prescribed form, which is available in the office of the Registrar of the University.

- 5.2 As per the provisions in the Maharashtra State Govt. Resolution No. GEC-1000/(123/2000)/Technical Education-I dtd. 17/4/2000, 30% seats shall be reserved for female candidates. This reservation shall be applicable for Open, SC, ST, VJ, NT, OBC & other categories as per Government of Maharashtra Rules. If requisite no. of female candidates are not available in any of the backward class categories then, such vacant seats shall be filled by male candidates belonging to the respective backward class category.

5.3 Code for Reservation

		Code No.	No. of seats
A) Scheduled caste and S.C. converts to Buddhism	(SC)	01	08
B) Scheduled Tribes	(ST)	02	04
C) Vimukta jati	(VJ)	03	02
D) Nomadic Tribes	(NT1)	04	02
E) Nomadic Tribes	(NT2)	05	02
F) Nomadic Tribes	(NT3)	06	01
G) Other Backward Classes	(OBC)	07	11

The above reservation is applicable to only 60 seats under the grant-in-aid division.

- a) **Only those candidates who belong to categories or classes which have been recognized as Backward in Maharashtra State will be considered eligible for admissions to the seats reserved for the respective category as mentioned above. Such candidates will be required to submit Caste/ Tribe certificates, as well as Caste/Tribe validity Certificates.**

- b) The candidates belonging to the creamy layers in the categories E, F, and G mentioned above, should note that they will not be considered eligible for admissions to the seats reserved for these categories.
- c) A candidate seeking admission to a reserved seat under the categories E, F, and G mentioned above, will have to produce a certificate in the name of his parents/guardian indicating whether they belong to the creamy layer or not. This certificate should be submitted alongwith application form.

5.4 Specific Reservation :

A specific number of seats are reserved for the children of Defence Service Personnel, as well as for those who are physically handicapped. Only those candidates who come under these categories will be considered eligible for admissions to these seats.

5-4-1 Children of Defence Personnel : 5 % seats of total annual intake are reserved for children of Defence Service Personnel and of Ex-service personnel. The distribution of these seats is as follows:

	Code No.	No. of seats
a) Children of Ex-service Personnel	08	01
b) Children of Active Defence Personnel	09	02

The candidates claiming admissions to the seats reserved under these categories will be required to produce a certificate from an appropriate authority, either Commandant or an officer equivalent to that rank or Zilla Sainik Board. It must also be noted that the children of only those Defence Service personnel who have been in active service for atleast five years will be considered eligible for admissions to these reserved seats. However, the children of those Defence Service Personnel, who have been permanently disabled or had been killed in action will be considered eligible for admissions to these seats even though they do not fulfil this requirement.

5-4-2. Physically Handicapped :

Code No.10

One Percent seats of the total annual intake are reserved for the candidates who are physically handicapped. The claim of such a candidate for a seat will be considered only if he submits a proof of his disability in the form of a certificate, issued by the medical Board/Civil Surgeon of the District/Medical Superintendent of Government Medical College or Director, All India Institute of Physical Medicine and Rehabilitation Mumbai. The Medical Board will do the verification of the disability at the places designated by Bharati Vidyapeeth (Deemed to be University).

5-4-3. The code for open category candidates is :

Code No. 00

Note : After the distribution of the seats to the students as per the distribution of seats given on page 24 point 5.3 of the brochure for B.Pharm(Grant-in-aid division), all the remaining students without category distribution will be treated as Regular students and will be allotted seats in B.Pharm. (Non Grant Division) and Pharm.D. course based on the merit obtained by the students in the PHARMUG-2018 examination. However the eligibility for admission for reserve category students will be as mentioned on page 23 point 4.2 for B.Pharm and page no. 26 point no. 7.4.2 for Pharm.D.

6. Non Grant Division : Out of Intake for 40 seats in the Non Grant division, 15% seats are reserved for Foreign / NRI (Non-Resident-Indian) / PIO / OCI / Institutional Quota Merit category students. Candidates seeking admission to the seats of this category will have to apply separately on a prescribed application form. The application form will be available at the office of **The Registrar, Bharati Vidyapeeth (Deemed to be University), Bharati Vidyapeeth Bhavan, L.B.S. Marg, Pune-30. The form fee for this category is Rs. 1,000/- (non refundable).** Seats remaining vacant after allotment to Foreign / NRI / P.I.O./ OCI Students (based on Merit), will be allotted to Indian students under Institutional Quota on the basis of merit based on the marks obtained by them in **PHARMUG-2018**. The last date for submission of form to this category at the above mentioned address is **7th June 2018 before 5.00 p.m.**

7. Admission Procedure for Pharm.D.

(Self Financed Course)

Introduction

- 7.1 Students will be admitted to first year Pharm. D. Programme in Poona College of Pharmacy, Pune of Bharati Vidyapeeth (Deemed to be University) on the basis of the merit obtained by them in the All India Combined Entrance Test

PHARMUG-2018

- 7.2 **PHARMUG-2018** will be conducted on **10/06/2018** from 11.00 a.m. to 2.00 p.m. at the Pune, New Delhi & Mumbai centres.
- 7.3 There will be one question paper. It will be set in English medium and will contain 200 multiple choice objective-type questions. The question paper will consist of 100 questions on Physics and 100 questions on Chemistry. These questions will be in general, set on the detailed syllabus as per Annexure I.
- 7.4 Eligibility for appearing in **PHARMUG-2018 for Pharm D.** and subsequent admission
- 7.4.1 The candidate must be an Indian National. He has to produce a proof in support of his nationality from a competent authority.
- 7.4.2 The candidate should have passed in any of the following examinations -
- 10+2 examination with Physics and Chemistry as compulsory subjects along with one of the following subjects : Mathematics or Biology.
 - A pass in D.Pharm course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.
 - Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.
 - Candidate appearing in H.S.C. or Second Year D.Pharm will also be eligible for appearing in **Pharm.D. 2018.**

Provided that a student should complete the age of 17 years on or before 31st December of the year of admission to the course.

8. Intake Capacity - 30 seats

9. 15% seats are reserved for Foreign / NRI (Non-Resident-Indian) / PIO / OCI / Institutional Quota Merit category students. Candidates seeking admission to the seats of this category will have to apply separately on a prescribed application form. The application form will be available at the office of **The Registrar, Bharati Vidyapeeth (Deemed to be University), Bharati Vidyapeeth Bhavan, L.B.S. Marg, Pune-30. The form fee for this category is Rs. 1,000/- (non refundable).** Seats remaining vacant after allotment to Foreign / NRI / P.I.O./ OCI Students (based on Merit), will be allotted to Indian students under Institutional Quota on the basis of merit based on the marks obtained by them in **PHARMUG-2018.** The last date for submission of form to this category at the above mentioned address is **7th June 2018 before 5.00 p.m.**

10. APPLICATION PROCEDURE:

A candidate desirous of appearing for the **PHARMUG-2018** entrance test is required to complete the prescribed application form and submit to the University along with entrance test fee of **Rs. 1,450/- (Entrance test fee is non refundable)**

A candidate desirous of appearing for the **PHARMUG-2018** entrance test is required to complete the prescribed online application form and submit to the University along with entrance test fee.

The application form is available online at: **www.bvuniversity.edu.in**

The candidates should strictly follow the instructions given in the website while filling up the application form online, and must read the instructions carefully before filling up the online application form. Instructions are mentioned at 'Registration Guide' menu which is available on website. Before filling up the application form online, candidates should:

- a) Create their login credential
- b) Have a scanned image of their recent passport size photograph (Refer to guidelines mentioned on the Website)
- c) Have a scanned image of their signature, ready before filling up the online application form.
- d) Read the procedure and guidelines for online payments of test fee which is to be made through Credit Card / Debit Card/ Internet Banking. (Refer to guidelines, terms and conditions for using online payment mentioned on the website)

The candidate may then proceed to fill the form and submit the completed application form. The candidate should take a print of payment receipt and completed application form for reference and as a record.

Candidates should submit the completed online application form on or before the last date mentioned in the website. (See "Important dates" in the brochure.)

Candidates are required to download and print a copy of the admit card after completion of the online application process.

In case admit cards are not available online immediately after completion of online application, the candidates will be informed through email about the date of availability of admit card at the website.

Candidate should ensure that all information entered during the online application process is correct.

Applications of candidates producing false or fabricated information will not be considered.

The authorities of the University do not edit /modify/alter any information entered by the candidates at the time of online application process under any circumstances. Any request for change in information thereafter will not be entertained.

For any queries related to filling online application form, Email to : cet@bharatividyapeeth.edu

Tel. No. 020 -24407131/132/133/163

Issue of Admission Cards

11. Admit card will be available online to candidates after successfully filling up the online application form and payment of the entrance test fee. Candidates are required to download and print a copy of the admit card.
12. Candidates MUST bring the following documents to the test centre -(a) Printed copy of Admit Card
(b) Any one of the authorized photo IDs (must be original, valid and non-expired): Aadhaar Card /PAN card/Driving license/Voter ID/Passport. The name on the photo identification must match with the name as show on the Admit card.
13. Candidate reporting to test center without the above said requisite documents shall not be allowed to appear for the entrance test.

Conduct of the PHARMUG-2018

14. The examination will be conducted at Pune, New Delhi and Navi Mumbai on the **10th June 2018 from 11.00 a.m. to 2.00 p.m.** The candidates must report at the centre at least 30 minutes before the scheduled time of commencement of test. The addresses of examination centres are given else where in this brochure.

15. THE EXAMINATION HALL WILL BE OPENED 30 MINUTES BEFORE THE COMMENCEMENT OF THE TEST. CANDIDATES ARE EXPECTED TO TAKE THEIR SEATS AT LEAST 15 MINUTES BEFORE THE COMMENCEMENT OF THE EXAMINATION. IF THE CANDIDATES DO NOT REPORT IN TIME THEY ARE LIKELY TO MISS SOME OF THE IMPORTANT INSTRUCTIONS WHICH WILL BE ANNOUNCED IN THE EXAMINATION HALL.
16. A candidate will not be allowed to appear for the Test if he is late by 30 minutes or more to reach the examination hall.
17. The candidate must bring his admission card with him and show the same on demand for admission to the examination hall. A candidate who does not have the Admission Card issued by the Bharati Vidyapeeth (Deemed to be University) will not be admitted to the examination hall under any circumstances by the Centre Superintendent.
18. A seat with a number will be allotted to each candidate.
19. A candidate will not be allowed to carry any textual material, printed or hand written chits or any other material except the Admission Card inside the examination hall. Candidates will not be permitted to bring calculators, slide rules, electronic watches with facilities of calculators, laptop computers, personal stereo systems, walkie-talkie sets, paging devices, mobile telephones and any other objects/devices in the examination hall. Possession or use of such devices during the examination is prohibited and candidate is liable to be expelled if found using or possessing them.
20. No candidate, will be allowed to go outside the examination hall till the completion of the entire duration of examination. Once the candidate leaves the hall (even for answering a call of nature) he/she will not be readmitted to examination hall. No exception will be made in this regard.
21. Parents, relatives, or friends of the candidates will not be allowed to enter into the premises of the centre. No arrangement will be made for tea snacks etc. for the students or parents. The parents will have to make their own arrangements.
22. Candidates are advised to bring with them a card board or a clip board, on which nothing should have been written. This board will be useful to them while writing their responses in the answer sheet in case tables in the examination hall do not have smooth surface.
23. Smoking in the examination centre is strictly prohibited. Beverages or snacks of any kind are not allowed to be taken into the examination halls during examination hours.
24. Candidates should maintain perfect silence and discipline in the examination hall. Any conversation, gesticulation or disturbance in the examination hall shall be considered as misbehaviour and the candidates involved in such behaviour will be expelled from the examination hall. Similarly, if any candidate is found using unfair means or allowing someone else to impersonate him / her, his/her candidature at the examination will be instantaneously cancelled.
25. During the examination time, the invigilator will check the Admission Cards of the candidates to satisfy himself/herself about the identity of each candidate. The invigilator will also put his/her signature in the place provided in the Answer Sheet on SIDE-1.
26. After completing the test and before handing over the Test Booklet and the Answer Sheet back to the invigilator, the candidate should check once again to see whether all the particulars required in the Test Booklet and the Answer Sheet have been correctly written. He should ensure that the Roll Number, Centre Code and the Test Booklet number are correctly written on the answer sheet.
27. A warning bell will be given at the beginning of the examination and also to mark the half-time of the examination time. A bell will also be given before the closing time when the candidate must stop marking the responses or writing.

Mode of the test

28. The examination consists of one paper. The question paper consists of two hundred objective-type questions. The question paper will consist of 100 questions each in Physics and Chemistry based on the syllabus given in Annexure I. The duration of the examination is of 3 hours. **They should note that there is no negative marking in the evaluation of this entrance examination.**

Test Booklet

29. Test Booklet : The candidate will be provided with a sealed Test Booklet with an answer sheet. The candidate will write with ball point pen the required information regarding: Roll Number, Name, Center code and Centre of examination in the columns on the Test Booklet without opening the seal.
30. In the Test Booklet, there will be 200 items/questions serially numbered from 001 to 200. Each item will be followed by four responses marked (A), (B), (C) and (D). Out of these four responses only one will be correct or the most appropriate which needs to be selected and marked on the answer script.

The Answer Sheet

31. An answer-sheet will be given to the candidates at the time of examination. The candidates are advised not to open/break the seal of the Booklet before they are instructed to do so by the invigilator.

31.1 This answer sheet will be of special type which will be scanned mechanically by Optical Mark Scanner.

So the candidate should handle the answer sheet very carefully.

There will be two sides of the answer sheet.

31.2 Side 1 -

This side of the answer sheet begins with instructions for marking the responses. The following information is then to be filled in with a ball point pen only, neatly and accurately :

Name of the Candidate

Roll Number

Centre of Examination (name of the city)

Signature of the Candidate

This side of the answer sheet also contains the following columns which are to be written/filled in with **blue or black ball point pen or HB pencil only** (Please study the specimen answer sheet appended at **Annexure IV**):

Roll Number : Write in the squares and darken (completely filling in) the appropriate circle corresponding to Roll Number.

Test Booklet Number : Each test booklet has a number. Write it at appropriate place.

Test Form Number : Not to be filled in

31.3 Side-2 :

This side is to be used for marking responses to questions numbered 001 to 200. After every question number, four circle (A), (B), (C) and (D) are provided for this purpose.

The candidate must indicate his/her response to the question by darkening the appropriate circle completely with HB Pencil or blue or black ball point pen only For example :

Q. 003 Mumbai is the capital city of state of

- (A) Tamilnadu
- (B) Karnataka
- (C) Orissa
- (D) Maharashtra

The correct response is (D). The candidate will locate question number in the answer sheet and darken the circle (D) as shown below :

	A)	(B)	(C)	(D)
001	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
002	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
003	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
004	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If the candidate darkens more than one circles or if he does not mark his response as shown above and marks his response as shown below, his response will be treated as wrong and will not be given marks.

	(A)	(B)	(C)	(D)
001	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
002	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
003	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
004	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Note : Please use HB pencil or blue or black ball point pen only for writing/markings particulars on Side-2 of the answer sheet.

32. The candidates are advised to decide upon the answer before they mark it on the answer sheets. He/She must ensure that the circle is completely darkened with HB pencil or blue or black ball point pen only. A lightly or faintly darkened circle is a wrong method of marking and will be rejected by the Optical Scanner.
33. If the candidate does not want to attempt any particular question he/she is advised not to touch any of the circles given against that question.
34. The candidate must not fold the answer sheet and should not make any stray marks on it.
35. A specimen copy of the answer sheet is given at Annexure IV. Candidates are advised to go through it and get conversant with it. The candidate will learn from this answer sheet as to how to fill in the information asked for and how to mark the answers. This will help the candidates to do the things correctly and save their time.

Changing an Answer

36. If a candidate wants to change any answer marked by him/her on the answer sheet, he/she must completely erase the existing pencil mark and then darken the appropriate circle with HB pencil. Candidate must not leave any visible mark in the circle after erasing. Otherwise the response will be rejected by the optical scanner. Such erasing should be avoided as far as possible.
37. Test Booklet number as filled in by the candidate in the answer sheet will be accepted as final for the purpose of evaluation. When the booklet number is left blank or more than one booklet numbers are indicated on the answer sheet it will be deemed as incorrect booklet number and answer sheet will not be evaluated.

Pens, Erasers and Pencils

38. The candidate must bring his/her own materials such as ball point pen and HB pencil (any other pencil HH, HHH etc. should not to be used). In case any pencil other than HB pencil is used, the answer sheet will be possibly rejected by the Optical Scanner. The candidate must also bring his/her own sharpener and erasers of good quality.

Important Instructions for Marking

39. USE ONLY HB PENCIL OR BLUE OR BLACK BALL POINT PEN TO DARKEN THE APPROPRIATE CIRCLES.
40. MARKING SHOULD BE DARK AND SHOULD COMPLETELY FILL THE CIRCLE.
41. DARKEN ONLY ONE CIRCLE FOR EACH QUESTION.
42. PLEASE DO NOT FOLD THE ANSWER SHEET OR MAKE ANY STRAY MARKS ON IT.
43. MAKE THE MARKS ONLY IN THE SPACES PROVIDED.

Please note that there will not be negative marking for the wrong answers chosen by the candidate.

Rough Work

44. The candidate will not do any rough work or writing work on the answer sheet. All rough work is to be done in the Test Booklet itself.

Merit List

45. The University will prepare lists of Regular Merit candidates and Foreign/NRI/PIO/OCI/Institutional Quota Merit candidates who have appeared for **PHARMUG-2018** in accordance with the total marks obtained by them in Physics, Chemistry taken together in it. The candidates will be called in for counselling as per their ranking in this list. They should note that there is no negative marking in the evaluation of this entrance examination.

The merit list of the candidates shall be displayed at the designated centres in Pune, Navi Mumbai, New Delhi.

46. Merit list will be displayed on our website: www.bvuniversity.edu.in

Copies of merit list will be made available for information at the offices of :

- i) Bharati Vidyapeeth (Deemed to be University), Bharati Vidyapeeth Bhavan, L.B.S.Road, Pune- 411 030.
- ii) Bharati Vidyapeeth (Deemed to be University), Poona College of Pharmacy, Erandwane, Pune- 411 038
- iii) Bharati Vidyapeeth (Deemed to be University), Institute of Management and Research, A-4 Paschim Vihar, Rohtak Road, New Delhi - 110 063
- iv) Bharati Vidyapeeth's College of Engineering, Sector 7, CBD, Belpada, New Mumbai - 400 614.

47. In case two or more candidates obtain equal marks in the **PHARMUG-2018** the inter-se-merit of such candidates shall be determined in order of preference as under:
- 47.1 Candidates obtaining higher marks in Chemistry in the entrance examination.
 - 47.2 Candidates obtaining higher total marks in the 12th standard qualifying examination.
 - 47.3 Candidates obtaining higher total of marks in the 10th standard examination.
 - 47.4 In case of tie at this level, computerized random selection of candidate will be carried out.

Counselling and on-the-spot-admission session

48. The counselling sessions will be conducted at Bharati Vidyapeeth (Deemed to be University) Poona College of Pharmacy, Pune-411 038 as per the schedule. FAILURE TO REPORT FOR COUNSELLING ON THE SCHEDULE DATE AND TIME MAY RESULT IN INSTANTANEOUS CANCELLATION OF THE SEAT.

It shall be the responsibility of the candidate to see the merit list on website or on the board displayed by University.

- 49. The candidate should remain present for the personal interview (counselling) and for the on the spot admission, as per the schedule even through he/she does not receive any letter from the university. If the candidate does not attend the counselling session on scheduled date and time he will be forfeit his claim for admission permanently and the seat will be allotted to the next candidate in the merit list.**

- 49A. Only those candidates who have passed the qualifying examination with prescribed subjects and percentage of marks and who fulfill other conditions before the date of counselling will be admitted for counselling
50. Only the candidate and one of his parents/guardian will be allowed into the hall where counselling is held. The candidates will be called in the order of their ranking in the merit list and offered the seats to the course at that point in time.
51. The candidate must note that appearance at this examination and inclusion of name in the Merit List do not necessarily mean that he/she will get admission to the course. His admission to the course will depend upon the availability of vacancies for the course at the time of his counselling.
52. At the time of reporting for the counselling, the candidate is required to produce the documents (original and two sets of photocopies) listed in **Annexure II**. If the candidate is admitted to the course, these documents will be retained by the University till he/she completes the course. If the candidate fails to produce all or any of the documents listed in Annexure II, he/she will instantaneously forfeit his / her claim for a seat.
53. Schedule of Counselling

The candidates, in the merit list prepared on the basis of marks obtained by them in Physics, Chemistry taken together at the **PHARMUG-2018** will be called as per their ranks in their respective categories for counselling and on the spot admission, as per the following schedule. The counselling will start with counselling of candidates belonging to reserved category. **You should report for counselling if your merit number is as per following schedule.**

Date	Candidates called for Counselling	Time
04/07/2018	All candidates for Reserved seats	9.00 a.m.
	Foreign / N.R.I. / PIO / OCI / Institutional Quota Merit	10.00 a.m.
	Open Category Merit Nos. 1 to 100	1.00 p.m.
05/07/2018	Open Category Merit Nos. 101 Onwards	9.00 a.m.

ADMISSION FOR B PHARM (60 SEATS IN GRANT-IN-AID AND 40 SEATS IN NON GRANT) & PHARM D WILL BE GIVEN ON THE BASIS OF THE MERIT OBTAINED BY THE CANDIDATE IN THE ENTRANCE EXAMINATION AND SUBJECT TO CATEGORY, COMPLIANCE OF ELIGIBILITY AND AVAILABILITY OF SEAT IN THAT PROGRAMME

54. Waiting list

Waiting lists for candidate of each category will be prepared separately and a seat which will fall vacant before the cut off date will be offered to the next candidate in the waiting list.

However the seats falling vacant after the cut off date will be offered to any available candidates. The cut off date is **11/07/2018**.

55. If any candidate finds it impossible to be physically present for the counselling due to any unavoidable circumstances, he/she may authorize any other responsible individual to represent him/her at the counselling. This representative must carry with him/her the letter of authorization in the format given in Annexure III as well as all the documents listed in Annexure II. If the candidate or his representative fails to report for the counselling on the date and the time mentioned in the schedule of counselling his claim for admission to the course will be forfeited and his seat will be allotted to the next candidate in the merit list.
56. The selected candidate will be required to pay the entire amount of annual fee and other fees on the day of counselling itself. (Through Bank Draft drawn in the name of '**The Registrar, Bharati Vidyapeeth Deemed University**' payable at Pune). In case the candidate fails to remit the entire amount of fees, he/she is likely to lose his / her claim for admission. Refund of fees will be governed by the rules of the University prevailing at that time.

57. Fee Structure for 2018-2019 only:

a) B. Pharm (Govt. Aided Course) for 60 seats in Grant-in aid

The fees prescribed for First Year B.Pharm. programme are as follows:

	Regular Merit Category	Foreign / N.R.I./PIO/ OCI Merit Category
Tuition Fee For First Year B.Pharm. (Grant-in-aid)	₹ 16,000/-	US\$ 3,750 + INR Rs. ₹ 2,000/-

Note- For Grant-in-aid, the fees shall be as prescribed by The Government of Maharashtra

b) B. Pharm (Non Grant Division for 40 seats)

Regular Merit Category	Institutional Quota Merit Category	Foreign / N.R.I./PIO/ OCI Merit Category
₹ 92,000/-	₹ 2,18,000/-	US \$ 5,500

Note- For Non Grant-in-aid division, the fees shall be revised upwards @ 5% per annum.

c) Pharm D. (Non Grant Course)

Regular Merit Category	Institutional Quota Merit Category	Foreign / N.R.I./PIO/ OCI Merit Category
₹ 1,60,000/-	₹ 2,70,000/-	US \$ 8,000

Note- The fees shall be revised upwards @ 5% per annum.

Note: Admission & Eligibility conditions are subject to change as per the directives from Government of Maharashtra, if any.

Those who are desirous of getting admission to the hostel will be required to pay the entire amount of rent as well as the mess charges for the entire academic year at the time of admission only.

58. Refund of Fees

Rules regarding cancellation of admission and refund of fee will be as per UGC norms and as per the directives given by Hon'ble Supreme Court of India; kindly, refer to the Notice Board at the time of counselling.

59. Conduct And Discipline

If any student is found indulging in anti national activities, or in activities that run contrary to the letter and spirit of the provisions of Acts and Laws enforced by the Government, or any activity that causes his/her behavior to be contrary to rules of discipline, will be liable to be expelled from the Institute forthwith without any notice by the Director of the Institute.

If any of the statements made in application form or any information supplied by the candidate in connection with his/her admission is, at any time, found to be false or incorrect and willful suppression of facts, his/her admission will be cancelled forthwith. The fees will be forfeited and he/she may be expelled from the Institution by the Director and prosecuted, if deemed necessary.

Each of the candidates seeking admission in the institute is required to give the following undertaking at the time of admission:-

- A) I have read all the Rules of Admission for the current year and after fully understanding these rules, I have filled in this application form for admission for the current year.
- B) The information given by me in my application is true to the best of my knowledge and belief.
- C) I have not been debarred from appearing at any examination conducted by any Government constituted or Statuary autonomous examination authority in India.
- D) I fully understand that the Principal of the college will have right to expel, rusticate me from the Institution for any infringement of the Rules of good conduct and discipline in general and particularly the ones referred to above and the rules of good conduct and discipline prescribed by the Institute/ University and in the undertaking given above.

60 Miscellaneous :

- 60.1. The candidates are informed that the medium of instruction, for all programmes is English.
- 60.2. At the time of seeking admissions, a candidate will be provisionally admitted to Programme at the Institute subject to the production of the Provisional Eligibility Certificate from the University.
- 60.3. The Institution shall have the right to satisfy about the conduct and character of a candidate by verifying antecedents of a candidate through the appropriate police-authority, before admitting him/her to the Institution.
- 60.4. Differences of opinion and disputes arising in the interpretation and implementation of the clauses in this Brochure, if any, will be referred to the Vice-Chancellor of the Bharati Vidyapeeth (Deemed to be University), Pune and his decision shall be final and binding on all the concerned.
- 60.5. Any legal matters arising out of the total admission process of **PHARMUG-2018** through All India Common Entrance Test of Bharati Vidyapeeth (Deemed to be University), Pune - 30 i.e. **PHARMUG-2018** will be in the courts of Pune, Maharashtra State.
- 60.6. Under no circumstances a change in examination center once selected by the candidate will be allowed.
- 60.7. There are a few seats available in the hostel which will be allotted on first come first served basis.
- 60.8. This information brochure is subject to modification without notice, please check the website regularly for updations if any.

Annexure I

Recommended Syllabus For Common Entrance Test (CET)

PHYSICS

S.No.	CLASS XI	CLASS XII
1.	Physical world and measurement	Electrostatics
2.	Kinematics	Current Electricity
3.	Laws of Motion	Magnetic Effects of Current and Magnetism
4.	Work, Energy and Power	Electromagnetic Induction and Alternating Currents
5.	Motion of System of Particles and Rigid Body	Electromagnetic Waves
6.	Gravitation	Optics
7.	Properties of Bulk Matter	Dual Nature of Matter and Radiation
8.	Thermodynamics	Atoms and Nuclei
9.	Behaviour of Perfect Gas and Kinetic Theory	Electronic Devices
10.	Oscillations and Waves	

CHEMISTRY

S.No.	CLASS XI	CLASS XII
1.	Some Basic Concepts of Chemistry	Solid State
2.	Structure of Atom	Solutions
3.	Classification of Elements & Periodicity in Properties	Electrochemistry
4.	Chemical Bonding and Molecular Structure	Chemical Kinetics
5.	States of Matter: Gases and Liquids	Surface Chemistry
6.	Thermodynamics	General Principles & Processes of Isolation of Elements
7.	Equilibrium	p-Block Elements
8.	Redox Reactions	d and f Block Elements
9.	Hydrogen	Coordination Compounds
10.	s-Block Element (Alkali & Alkaline earth metals)	Haloalkanes and Haloarenes
11.	Some p-Block Elements	Alcohols, Phenols and Ethers
12.	Organic Chemistry- Some Basic Principles & Techniques	Aldehydes, Ketones and Carboxylic Acids
13.	Hydrocarbons	Organic Compounds Containing Nitrogen
14.	Environmental Chemistry	Biomolecules
15.		Polymers
16.		Chemistry in Everyday Life

PHYSICS

CONTENTS CLASS XI SYLLABUS

UNIT I: Physical World and Measurement

- *Physics*: Scope and excitement; nature of physical laws; Physics, technology and society.
- *Need for measurement*: Units of measurement; systems of units; SI units, fundamental and derived units. Length, mass and time measurements; accuracy and precision of measuring instruments; errors in measurement; significant figures.
- Dimensions of physical quantities, dimensional analysis and its applications.

UNIT II: Kinematics

- Frame of reference, Motion in a straight line; Position-time graph, speed and velocity. Uniform and non-uniform motion, average speed and instantaneous velocity. Uniformly accelerated motion, velocity-time and position-time graphs, for uniformly accelerated motion (graphical treatment).
- Elementary concepts of differentiation and integration for describing motion. Scalar and vector quantities: Position and displacement vectors, general vectors, general vectors and notation, equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors. Relative velocity.
- Unit vectors. Resolution of a vector in a plane-rectangular components.
- Scalar and Vector products of Vectors. Motion in a plane. Cases of uniform velocity and uniform acceleration-projectile motion. Uniform circular motion.

UNIT III: Laws of Motion

- Intuitive concept of force. Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications.
- Equilibrium of concurrent forces. Static and Kinetic friction, laws of friction, rolling friction, lubrication.
- *Dynamics of uniform circular motion*. Centripetal force, examples of circular motion (vehicle on level circular road, vehicle on banked road).

UNIT IV: Work, Energy and Power

- Work done by a constant force and variable force; kinetic energy, work-energy theorem, power.
- Notion of potential energy, potential energy of a spring, conservative forces; conservation of mechanical energy (kinetic and potential energies); non-conservative forces; motion in a vertical circle, elastic and inelastic collisions in one and two dimensions.

UNIT V: Motion of System of Particles and Rigid Body

- Centre of mass of a two-particle system, momentum conservation and centre of mass motion. Centre of mass of a rigid body; centre of mass of uniform rod.
- Moment of a force, -torque, angular momentum, conservation of angular momentum with some examples.
- Equilibrium of rigid bodies, rigid body rotation and equation of rotational motion, comparison of linear and rotational motions; moment of inertia, radius of gyration. Values of M.I. for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems and their applications.

UNIT VI: Gravitation

- Kepler's laws of planetary motion. The universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth.
- Gravitational potential energy; gravitational potential. Escape velocity, orbital velocity of a satellite. Geostationary satellites.

UNIT VII: Properties of Bulk Matter

- Elastic behavior, Stress-strain relationship. Hooke's law, Young's modulus, bulk modulus, shear, modulus of rigidity, poisson's ratio; elastic energy.
- Viscosity, Stokes' law, terminal velocity, Reynold's number, streamline and turbulent flow. Critical velocity, Bernoulli's theorem and its applications.
- Surface energy and surface tension, angle of contact, excess of pressure, application of surface tension ideas to drops, bubbles and capillary rise.
- Heat, temperature, thermal expansion; thermal expansion of solids, liquids, and gases. Anomalous expansion. Specific heat capacity: C_p , C_v - calorimetry; change of state – latent heat.
- Heat transfer- conduction and thermal conductivity, convection and radiation. Qualitative ideas of Black Body Radiation, Wein's displacement law, and Green House effect.
- Newton's law of cooling and Stefan's law.

UNIT VIII: Thermodynamics

- Thermal equilibrium and definition of temperature (zeroth law of Thermodynamics). Heat, work and internal energy. First law of thermodynamics. Isothermal and adiabatic processes.
- *Second law of the thermodynamics*: Reversible and irreversible processes. Heat engines and refrigerators.

UNIT IX: Behaviour of Perfect Gas and Kinetic Theory

- Equation of state of a perfect gas, work done on compressing a gas.
- *Kinetic theory of gases*: Assumptions, concept of pressure. Kinetic energy and temperature; degrees of freedom, law of equipartition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path.

UNIT X: Oscillations and Waves

- Periodic motion-period, frequency, displacement as a function of time. Periodic functions. Simple harmonic motion(SHM) and its equation; phase; oscillations of a spring-restoring force and force constant; energy in SHM –Kinetic and potential energies; simple pendulum-derivation of expression for its time period; free, forced and damped oscillations (qualitative ideas only), resonance.
- Wave motion. Longitudinal and transverse waves, speed of wave motion. Displacement relation for a progressive wave. Principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics. Beats. Doppler effect.

CONTENTS OF CLASS XII SYLLABUS**UNIT I: Electrostatics**

- Electric charges and their conservation. Coulomb's law-force between two point charges, forces between multiple charges; superposition principle and continuous charge distribution.
- Electric field, electric field due to a point charge, electric field lines; electric dipole, electric field due to a dipole; torque on a dipole in a uniform electric field.
- Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside)
- Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges:equipotential surfaces, electrical potential energy of a system of two point charges and of electric dipoles in an electrostatic field.
- Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarization, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor, Van de Graaff generator.

UNIT II: Current Electricity

- Electric current, flow of electric charges in a metallic conductor, drift velocity and mobility, and their relation with electric current; Ohm's law, electrical resistance, V - I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity.
- Carbon resistors, colour code for carbon resistors; series and parallel combinations of resistors; temperature dependence of resistance.
- Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel.
- Kirchhoff's laws and simple applications. Wheatstone bridge, metre bridge.
- Potentiometer-principle and applications to measure potential difference, and for comparing emf of two cells; measurement of internal resistance of a cell.

UNIT III: Magnetic Effects of Current and Magnetism

- Concept of magnetic field, Oersted's experiment. Biot-Savart law and its application to current carrying circular loop.
- Ampere's law and its applications to infinitely long straight wire, straight and toroidal solenoids. Force on a moving charge in uniform magnetic and electric fields. Cyclotron.
- Force on a current-carrying conductor in a uniform magnetic field. Force between two parallel current-carrying conductors-definition of ampere. Torque experienced by a current loop in a magnetic field; moving coil galvanometer-its current sensitivity and conversion to ammeter and voltmeter.
- Current loop as a magnetic dipole and its magnetic dipole moment. Magnetic dipole moment of a revolving electron. Magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis. Torque on a magnetic dipole (bar magnet) in a uniform magnetic field; bar magnet as an equivalent solenoid, magnetic field lines; Earth's magnetic field and magnetic elements.
- Para-, dia- and ferro-magnetic substances, with examples.
- Electromagnetic and factors affecting their strengths. Permanent magnets.

UNIT IV: Electromagnetic Induction and Alternating Currents

- Electromagnetic induction; Faraday's law, induced emf and current; Lenz's Law, Eddy currents. Self and mutual inductance.
- Alternating currents, peak and rms value of alternating current/ voltage; reactance and impedance; LC oscillations (qualitative treatment only), LCR series circuit, resonance; power in AC circuits, wattless current.
- AC generator and transformer.

UNIT V: Electromagnetic Waves

- Need for displacement current.
- Electromagnetic waves and their characteristics (qualitative ideas only). Transverse nature of electromagnetic waves.
- Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, x-rays, gamma rays) including elementary facts about their uses.

UNIT VI: Optics

- Reflection of light, spherical mirrors, mirror formula. Refraction of light, total internal reflection and its applications optical fibres, refraction at spherical surfaces, lenses, thin lens formula, lens-maker's formula. Magnification, power of a lens, combination of thin lenses in contact combination of a lens and a mirror. Refraction and dispersion of light through a prism.
- Scattering of light- blue colour of the sky and reddish appearance of the sun at sunrise and sunset.
- *Optical instruments*: Human eye, image formation and accommodation, correction of eye defects (myopia and hypermetropia) using lenses.

- Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.
- Wave optics: Wavefront and Huygens' principle, reflection and refraction of plane wave at a plane surface using wavefronts.
- Proof of laws of reflection and refraction using Huygens' principle.
- Interference, Young's double hole experiment and expression for fringe width, coherent sources and sustained interference of light.
- Diffraction due to a single slit, width of central maximum.
- Resolving power of microscopes and astronomical telescopes. Polarisation, plane polarized light; Brewster's law, uses of plane polarized light and Polaroids.

UNIT VII: Dual Nature of Matter and Radiation

- Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation- particle nature of light.
- Matter waves- wave nature of particles, de Broglie relation. Davisson-Germer experiment (experimental details should be omitted; only conclusion should be explained).

UNIT VIII: Atoms and Nuclei

- Alpha- particle scattering experiments; Rutherford's model of atom; Bohr model, energy levels, hydrogen spectrum. Composition and size of nucleus, atomic masses, isotopes, isobars; isotones.
- Radioactivity- alpha, beta and gamma particles/ rays and their properties decay law. Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number, nuclear fission and fusion.

UNIT IX: Electronic Devices

- Energy bands in solids (qualitative ideas only), conductors, insulators and semiconductors; semiconductor diode- I-V characteristics in forward and reverse bias, diode as a rectifier; I-V characteristics of LED, photodiode, solar cell, and Zener diode; Zener diode as a voltage regulator. Junction transistor, transistor action, characteristics of a transistor; transistor as an amplifier (common emitter configuration) and oscillator. Logic gates (OR, AND, NOT, NAND and NOR). Transistor as a switch.

CHEMISTRY

CONTENTS OF CLASS XI SYLLABUS

UNIT I: Some Basic Concepts of Chemistry

- General Introduction: Important and scope of chemistry.
- Laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules.
- Atomic and molecular masses. Mole concept and molar mass; percentage composition and empirical and molecular formula; chemical reactions, stoichiometry and calculations based on stoichiometry.

UNIT II: Structure of Atom

- Atomic number, isotopes and isobars. Concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbital, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals- Aufbau principle, Pauli exclusion principles and Hund's rule, electronic configuration of atoms, stability of half filled and completely filled orbitals.

UNIT III: Classification of Elements and Periodicity in Properties

- Modern periodic law and long form of periodic table, periodic trends in properties of elements- atomic radii, ionic radii, ionization enthalpy, electron gain enthalpy, electronegativity, valence.

UNIT IV: Chemical Bonding and Molecular Structure

- Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure, polar character of covalent bond, valence bond theory, resonance, geometry of molecules, VSEPR theory, concept of hybridization involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules (qualitative idea only). Hydrogen bond.

UNIT V: States of Matter: Gases and Liquids

- Three states of matter, intermolecular interactions, types of bonding, melting and boiling points, role of gas laws of elucidating the concept of the molecule, Boyle's law, Charles's law, Gay Lussac's law, Avogadro's law, ideal behaviour of gases, empirical derivation of gas equation. Avogadro number, ideal gas equation. Kinetic energy and molecular speeds (elementary idea), deviation from ideal behaviour, liquefaction of gases, critical temperature.
- Liquid State- Vapour pressure, viscosity and surface tension (qualitative idea only, no mathematical derivations).

UNIT VI: Thermodynamics

- First law of thermodynamics-internal energy and enthalpy, heat capacity and specific heat, measurement of U and H, Hess's law of constant heat summation, enthalpy of : bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution.
- Introduction of entropy as state function, Second law of thermodynamics, Gibbs energy change for spontaneous and non- spontaneous process, criteria for equilibrium and spontaneity.
- Third law of thermodynamics- Brief introduction.

UNIT VII: Equilibrium

- Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of chemical equilibrium, equilibrium constant, factors affecting equilibrium-Le Chatelier's principle; ionic equilibrium- ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of polybasic acids, acid strength, concept of pH., Hydrolysis of salts (elementary idea)., buffer solutions, Henderson equation, solubility product, common ion effect (with illustrative examples).

UNIT VIII: Redox Reactions

- Concept of oxidation and reduction, redox reactions oxidation number, balancing redox reactions in terms of loss and gain of electron and change in oxidation numbers.

UNIT IX: Hydrogen

- Occurrence, isotopes, preparation, properties and uses of hydrogen; hydrides-ionic, covalent and interstitial; physical and chemical properties of water, heavy water; hydrogen peroxide-preparation, reactions, uses and structure;

UNIT X: s-Block Elements (Alkali and Alkaline earth metals)

- Group I and group 2 elements:
- General introduction, electronic configuration, occurrence, anomalous properties of the first element of each group, diagonal relationship, trends in the variation of properties (such as ionization enthalpy, atomic and ionic radii), trends in chemical reactivity with oxygen, water, hydrogen and halogens; uses.
- Preparation and Properties of Some important Compounds:
- Sodium carbonate, sodium chloride, sodium hydroxide and sodium hydrogencarbonate, biological importance of sodium and potassium.
- Industrial use of lime and limestone, biological importance of Mg and Ca.

UNIT XI: Some p-Block Elements

- General Introduction to p-Block Elements.
- Group 13 elements: General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous properties of first element of the group; Boron, some important compounds: borax, boric acids, boron hydrides. Aluminium: uses, reactions with acids and alkalies.
- General 14 elements: General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous behaviour of first element. Carbon, allotropic forms, physical and chemical properties: uses of some important compounds: oxides.
- Important compounds of silicon and a few uses: silicon tetrachloride, silicones, silicates and zeolites, their uses.

UNIT XII: Organic Chemistry- Some Basic Principles and Techniques

- General introduction, methods of purification qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds.
- Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation.
- Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions; electrophiles and nucleophiles, types of organic reactions.

UNIT XIII: Hydrocarbons

- Alkanes- Nomenclature, isomerism, conformations (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis.
- Alkenes- Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation: chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markovnikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition.
- Alkynes- Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of- hydrogen, halogens, hydrogen halides and water.
- Aromatic hydrocarbons- Introduction, IUPAC nomenclature; Benzene; resonance, aromaticity; chemical properties: mechanism of electrophilic substitution- Nitration sulphonation, halogenation, Friedel Craft's alkylation and acylation; directive influence of functional group in mono-substituted benzene; carcinogenicity and toxicity.

UNIT XIV: Environmental Chemistry

- Environmental pollution: Air, water and soil pollution, chemical reactions in atmosphere, smogs, major atmospheric pollutants; acid rain ozone and its reactions, effects of depletion of ozone layer, greenhouse effect and global warming- pollution due to industrial wastes; green chemistry as an alternative tool for reducing pollution, strategy for control of environmental pollution.

CONTENTS OF CLASS XII SYLLABUS

UNIT I: Solid State

- Classification of solids based on different binding forces; molecular, ionic covalent and metallic solids, amorphous and crystalline solids (elementary idea), unit cell in two dimensional and three dimensional lattices, calculation of density of unit cell, packing in solids, packing efficiency, voids, number of atoms per unit cell in a cubic unit cell, point defects, electrical and magnetic properties, Band theory of metals, conductors, semiconductors and insulators.

UNIT II: Solutions

- Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, colligative properties- relative lowering of vapour pressure, Raoult's law, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties abnormal molecular mass. Van Hoff factor.

UNIT III: Electrochemistry

- Redox reactions, conductance in electrolytic solutions, specific and molar conductivity variation of conductivity with concentration, Kohlrausch's Law, electrolysis and Laws of electrolysis (elementary idea), dry cell- electrolytic cells and Galvanic cells; lead accumulator, EMF of a cell, standard electrode potential, Relation between Gibbs energy change and EMF of a cell, fuel cells; corrosion.

UNIT IV: Chemical Kinetics

- Rate of a reaction (average and instantaneous), factors affecting rates of reaction; concentration, temperature, catalyst; order and molecularity of a reaction; rate law and specific rate constant, integrated rate equations and half life (only for zero and first order reactions); concept of collision theory (elementary idea, no mathematical treatment). Activation energy, Arrhenius equation.

UNIT V: Surface Chemistry

- Adsorption- physisorption and chemisorption; factors affecting adsorption of gases on solids, catalysis homogeneous and heterogeneous, activity and selectivity: enzyme catalysis; colloidal state: distinction between true solutions, colloids and suspensions; lyophilic, lyophobic multimolecular and macromolecular colloids; properties of colloids; Tyndall effect, Brownian movement, electrophoresis, coagulation; emulsions- types of emulsions.

UNIT VI: General Principles and Processes of Isolation of Elements

- Principles and methods of extraction- concentration, oxidation, reduction electrolytic method and refining; occurrence and principles of extraction of aluminium, copper, zinc and iron.

- Group 15 elements: General introduction, electronic configuration, occurrence, oxidation states, trends in physical and chemical properties; preparation and properties of ammonia and nitric acid, oxides of nitrogen (structure only); Phosphorous- allotropic forms; compounds of phosphorous: preparation and properties of phosphine, halides (PCl_3 , PCl_5) and oxoacids (elementary idea only).
- Group 16 elements: General introduction, electronic configuration, oxidation states, occurrence, trends in physical and chemical properties; dioxygen: preparation, properties and uses; classification of oxides; ozone. Sulphur – allotropic forms; compounds of sulphur: preparation, preparation, properties and uses of sulphur dioxide; sulphuric acid: industrial process of manufacture, properties and uses, oxoacids of sulphur (structures only).
- Group 17 elements: General introduction, electronic configuration, oxidation states, occurrence, trends in physical and chemical properties; compounds of halogens: preparation, properties and uses of chlorine and hydrochloric acid, interhalogen compounds oxoacids of halogens (structures only).
- Group 18 elements: General introduction, electronic configuration, occurrence, trends in physical and chemical properties, uses.

UNIT VIII: d and f Block Elements

- General introduction, electronic configuration, characteristics of transition metals, general trends in properties of the first row transition metals- metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties, interstitial compounds, alloy formation. Preparation and properties of $\text{K}_2\text{Cr}_2\text{O}_7$ and KMnO_4 .
- Lanthanoids- electronic configuration, oxidation states, chemical reactivity, and lanthanoid contraction and its consequences.
- Actinoids: Electronic configuration, oxidation states and comparison with lanthanoids.

UNIT IX: Coordination Compounds

- Coordination compounds: Introduction, ligands, coordination number, colour, magnetic properties and shapes, IUPAC nomenclature of mononuclear coordination compounds, isomerism (structural and stereo) bonding, Werner's theory VBT, CFT; importance of coordination compounds (in qualitative analysis, biological systems).

UNIT X: Haloalkanes and Haloarenes

- Haloalkanes: Nomenclature, nature of C –X bond, physical and chemical properties, mechanism of substitution reactions.

Optical rotation.

- Haloarenes: Nature of C-X bond, substitution reactions (directive influence of halogen for monosubstituted compounds only).
- Uses and environment effects of – dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.

UNIT XI: Alcohols, Phenols and Ethers

- Alcohols: Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only); identification of primary, secondary and tertiary alcohols; mechanism of dehydration, uses with special reference to methanol and ethanol.
- Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols.
- Ethers: Nomenclature, methods of preparation, physical and chemical properties uses.

UNIT XII: Aldehydes, Ketones and Carboxylic Acids

- Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties; and mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes; uses.
- Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.
- Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary secondary and tertiary amines.
- Cyanides and Isocyanides- will be mentioned at relevant places.
- Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.

UNIT XIV: Biomolecules

- Carbohydrates- Classification (aldoses and ketoses), monosaccharide (glucose and fructose), D.L. configuration, oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen): importance.
- Proteins- Elementary idea of – amino acids, peptide bond, polypeptides, proteins, primary structure, secondary structure, tertiary structure and quaternary structure (qualitative idea only), denaturation of proteins; enzymes.
- Hormones- Elementary idea (excluding structure).
- Vitamins- Classification and function.
- Nucleic Acids: DNA and RNA

UNIT XV: Polymers

- Classification- Natural and synthetic, methods of polymerization (addition and condensation), copolymerization. Some important polymers: natural and synthetic like polyesters, bakelite; rubber, Biodegradable and non-biodegradable polymers.

UNIT XVI: Chemistry in Everyday Life

- Chemicals in medicines- analgesics, tranquilizers, antiseptics, disinfectants, antimicrobials, antifertility drugs, antibiotics, antacids, antihistamines.
- Chemicals in food- preservatives, artificial sweetening agents, elementary idea of antioxidants.
- Cleansing agents- soaps and detergents, cleansing action.

LIST OF DOCUMENTS REQUIRED WHILE REPORTING FOR COUNSELLING

At the time of counselling, you are required to produce the following documents in original, failure to do so will result in instantaneous cancellation of your claim for admission. You are also required to submit two photocopies of each of these documents.

1. For a Proof of date of Birth : SSC Certificate or School/College Leaving Certificate and Certificate of Domicile/Nationality Certificate
2. A Certificate of the Principal/Headmaster of the School for having studied for 11th and 12th standards.
3. Statement of marks of 10th std examination.
4. Statement of marks of 12th std examination.
5. Statement of marks of D.Pharm. I and II year (if applicable)
6. Transfer Certificate from the Institution in which you had studied last.
7. Migration Certificate (for students who had joined any other course after 12th).
8. Anti-Ragging Undertaking for all students seeking fresh admission to First Year UG & PG courses.

In response to the announcement by MHRD and UGC, New Delhi (India), all the students be advised to file the anti-ragging undertaking online through the website. **1) www.antiragging.in , 2) www.amanmovement.org** and submit hard copy at the time at counseling for the admission.

9. Gap Certificate (if applicable)
10. Character Certificate from a responsible person.
11. Certificate of Medical Fitness.
12. An affidavit in the given format signed by you and countersigned by your parent/guardian.
13. Six recent passport-size photographs with your names written on backside.
14. The amount of Tuition fees, other fees and Hostel fees in case you need an admission to Hostel.
15. Caste Certificate and Caste Validity Certificate issued by Govt. of Maharashtra.
16. Aadhar Card Photo Copy

AUTHORISATION FOR REPRESENTATIVE

I, _____

son /daughter of _____

being unable to attend the counselling session for admission to the B.Pharm. / Pharm D. course Bharati Vidyapeeth (Deemed to be University), Pune in June, 2018, hereby authorize

son/daughter of _____ whose photograph is affixed below and who will sign as shown below, to represent me at the counselling and on-the-spot-admission. This authorized representative will present all the necessary documents, pay the appropriate fees and complete all the necessary formalities on my behalf.

Name of the candidate : _____

(IN CAPITALS LETTERS)

Seat No(PHARMUG-2018 Examination) _____

Place: _____

Date: _____

Reason for absence: _____

Specimen signature of the Representative

A recent passport size
photograph of the
representative should
be affixed here.

Signature of the Candidate

A recent passport size
photograph of the
Candidate should
be affixed here.

AFFIDAVIT FORMAT

Annexure IV

a) B. Pharm

I, son/daughter of hereby solemnly affirm that the following statements made by me are true to the best of my knowledge and belief,

- A) I am a citizen of India
- B) I have studied in class 11th and 12th in India and have passed a qualifying examination in the subjects of Physics, Chemistry and Biology or Mathematics individually and have obtained at least 45% (40% in case of backward class) marks together in those subjects and I have also Passed in the subject of English.

or

I have passed D. Pharmacy from and have obtained at least 50% marks together.

- C) I have studied and understood the rules governing counselling, admission, procedure, fee structure and agree to abide by these rules.
- D) If admitted to any of the Institutions of the Bharati Vidyapeeth (Deemed to be University), I will abide by all its rules and regulations, especially those regarding discipline, attendance, examinations and payment of fees. I understand that failure to comply with the rules and regulations will invite an appropriate disciplinary action from the institutional authorities.
- E) I will not involve myself in any action of ragging during the course of my education in this University. I understand involvement in ragging is a cognisable offence and it will result in police action and would result into cancellation of my admission to the course.
- F) I will refrain from the use of cigarettes and tobacco products.

Name of the candidate :

Date :

Place :

Signature of the candidate

I, the father/mother/guardian of an applicant for admission to course at Bharati Vidyapeeth (Deemed to be University), hereby solemnly affirm that all the above statements made by son/daughter/ward are true to the best of my knowledge and belief. I will be responsible for the payment of his/her fees on time and for his/her conduct.

Name of the parent/guardian

Relationship to candidate

Date :

Address with Phone No. :

Signature of the parent/guardian

AFFIDAVIT FORMAT

b) Pharm. D.

I, son/daughter of hereby solemnly affirm that the following statements made by me are true to the best of my knowledge and belief,

- A) I am a citizen of India
- B) I have completed 17yrs of age on or before 31st December of the year of admission
- C) I have studied in class 11th and 12th in India and have passed a qualifying examination in the Physics and Chemistry as compulsory subjects with one of the following subjects mathematics or biology

or

I have passed Diploma in Pharmacy from a Institution approved by Pharmacy Council of India.

- D) I have studied and understood the rules governing counselling, admission, procedure, fee structure and agree to abide by these rules.
- E) If admitted to any of the Institutions of the Bharati Vidyapeeth (Deemed to be University), I will abide by all its rules and regulations, especially those regarding discipline, attendance, examinations and payment of fees. I understand that failure to comply with the rules and regulations will invite an appropriate disciplinary action from the institutional authorities.
- F) I will not involve myself in any action of ragging during the course of my education in this University. I understand involvement in ragging is a cognisable offence and it will result in police action and would result into cancellation of my admission to the course.
- G) I will refrain from the use of cigarettes and tobacco products.

Name of the candidate :

Date :

Place :

Signature of the candidate

I, the father/mother/guardian of an applicant for Pharm.D. at Bharati Vidyapeeth (Deemed to be University), hereby solemnly affirm that all the above statements made by son/daughter/ward are true to the best of my knowledge and belief. I will be responsible for the payment of his/her fees on time and for his/her conduct.

Name of the parent/guardian

Relationship to candidate

Date :

Address with Phone No. :

Signature of the parent/guardian

IMPORTANT NOTICE

The students and the parents will have to submit the printouts of antiragging undertaking online on the following websites

website 1: www.antiragging.in

2: www.amanmovement.org

This has to be submitted immediately after the conformation of the admission.

Note :

As per the directions of Hon'ble Supreme Court of India Order No. SLP(C) No. 24295/2004 and SLP No. 143656/2005, WP (C) No. 173/2006 and SLP(C) No. 24296-24299/2004 all the students are hereby informed the following.

"If any incidents of ragging comes to the notice of the authority, the concerned students shall be given liberty to explain and if his explanation is not found satisfactory the authority would expel him from the institution."

All the students should note the above directives from the Supreme Court.

Registrar
Bharati Vidyapeeth
(Deemed to be University)

Annexure VII

INSTRUCTIONS

- CORRECT**
- (A) (B) (C) (D)

WRONG

WRONG

WRONG

WRONG

(A) (B) ~~(C)~~ (D)

☐ A ☐ B ☒ C ☐ D

☐ A ☐ B ☒ C ☐ D

☐ A ☐ B ☒ C ☐ D

1. NAME OF THE CANDIDATE

SPECIMEN COPY

3. ROLL NO.

[illegible]

4. TEST FORM NO.

1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
0	0

2. CENTRE (CITY IN WORDS)

SIGNATURE OF THE CANDIDATE

SIGNATURE OF THE INVIGILATOR / WITH DATE

606209

ANSWERS

1	A	B	C	D	51	A	B	C	D	101	A	B	C	D	151	A	B	C	D
2	A	B	C	D	52	A	B	C	D	102	A	B	C	D	152	A	B	C	D
3	A	B	C	D	53	A	B	C	D	103	A	B	C	D	153	A	B	C	D
4	A	B	C	D	54	A	B	C	D	104	A	B	C	D	154	A	B	C	D
5	A	B	C	D	55	A	B	C	D	105	A	B	C	D	155	A	B	C	D
6	A	B	C	D	56	A	B	C	D	106	A	B	C	D	156	A	B	C	D
7	A	B	C	D	57	A	B	C	D	107	A	B	C	D	157	A	B	C	D
8	A	B	C	D	58	A	B	C	D	108	A	B	C	D	158	A	B	C	D
9	A	B	C	D	59	A	B	C	D	109	A	B	C	D	159	A	B	C	D
10	A	B	C	D	60	A	B	C	D	110	A	B	C	D	160	A	B	C	D
11	A	B	C	D	61	A	B	C	D	111	A	B	C	D	161	A	B	C	D
12	A	B	C	D	62	A	B	C	D	112	A	B	C	D	162	A	B	C	D
13	A	B	C	D	63	A	B	C	D	113	A	B	C	D	163	A	B	C	D
14	A	B	C	D	64	A	B	C	D	114	A	B	C	D	164	A	B	C	D
15	A	B	C	D	65	A	B	C	D	115	A	B	C	D	165	A	B	C	D
16	A	B	C	D	66	A	B	C	D	116	A	B	C	D	166	A	B	C	D
17	A	B	C	D	67	A	B	C	D	117	A	B	C	D	167	A	B	C	D
18	A	B	C	D	68	A	B	C	D	118	A	B	C	D	168	A	B	C	D
19	A	B	C	D	69	A	B	C	D	119	A	B	C	D	169	A	B	C	D
20	A	B	C	D	70	A	B	C	D	120	A	B	C	D	170	A	B	C	D
21	A	B	C	D	71	A	B	C	D	121	A	B	C	D	171	A	B	C	D
22	A	B	C	D	72	A	B	C	D	122	A	B	C	D	172	A	B	C	D
23	A	B	C	D	73	A	B	C	D	123	A	B	C	D	173	A	B	C	D
24	A	B	C	D	74	A	B	C	D	124	A	B	C	D	174	A	B	C	D
25	A	B	C	D	75	A	B	C	D	125	A	B	C	D	175	A	B	C	D
26	A	B	C	D	76	A	B	C	D	126	A	B	C	D	176	A	B	C	D
27	A	B	C	D	77	A	B	C	D	127	A	B	C	D	177	A	B	C	D
28	A	B	C	D	78	A	B	C	D	128	A	B	C	D	178	A	B	C	D
29	A	B	C	D	79	A	B	C	D	129	A	B	C	D	179	A	B	C	D
30	A	B	C	D	80	A	B	C	D	130	A	B	C	D	180	A	B	C	D
31	A	B	C	D	81	A	B	C	D	131	A	B	C	D	181	A	B	C	D
32	A	B	C	D	82	A	B	C	D	132	A	B	C	D	182	A	B	C	D
33	A	B	C	D	83	A	B	C	D	133	A	B	C	D	183	A	B	C	D
34	A	B	C	D	84	A	B	C	D	134	A	B	C	D	184	A	B	C	D
35	A	B	C	D	85	A	B	C	D	135	A	B	C	D	185	A	B	C	D
36	A	B	C	D	86	A	B	C	D	136	A	B	C	D	186	A	B	C	D
37	A	B	C	D	87	A	B	C	D	137	A	B	C	D	187	A	B	C	D
38	A	B	C	D	88	A	B	C	D	138	A	B	C	D	188	A	B	C	D
39	A	B	C	D	89	A	B	C	D	139	A	B	C	D	189	A	B	C	D
40	A	B	C	D	90	A	B	C	D	140	A	B	C	D	190	A	B	C	D
41	A	B	C	D	91	A	B	C	D	141	A	B	C	D	191	A	B	C	D
42	A	B	C	D	92	A	B	C	D	142	A	B	C	D	192	A	B	C	D
43	A	B	C	D	93	A	B	C	D	143	A	B	C	D	193	A	B	C	D
44	A	B	C	D	94	A	B	C	D	144	A	B	C	D	194	A	B	C	D
45	A	B	C	D	95	A	B	C	D	145	A	B	C	D	195	A	B	C	D
46	A	B	C	D	96	A	B	C	D	146	A	B	C	D	196	A	B	C	D
47	A	B	C	D	97	A	B	C	D	147	A	B	C	D	197	A	B	C	D
48	A	B	C	D	98	A	B	C	D	148	A	B	C	D	198	A	B	C	D
49	A	B	C	D	99	A	B	C	D	149	A	B	C	D	199	A	B	C	D
50	A	B	C	D	100	A	B	C	D	150	A	B	C	D	200	A	B	C	D

DESIGNATED CENTRES

PHARMUG(B.Pharm./ Pharm. D.) - 2018 SCHEDULE OF ADMISSION PROCESS

(For information)

Bharati Vidyapeeth
(Deemed to be University),
CET Dept. 2nd Floor,
Bharati Vidyapeeth Bhavan,
L.B.S. Road, Pune- 411 030
(ET-Cell contact Tel. No.
020 -24407131/132/133/163
between Mon-Fri : 10.00 to 1.30
and 2.30 to 5.00,
Sat : 9.00 a.m to 1.30 p.m.)

For Enquiry

Contact Tel. No. : 24407131/132/133/163
Website : www.bvuniversity.edu.in,
E-Mail : cet@bharatividyaapeeth.edu

Pune

- 1) Bharati Vidyapeeth
(Deemed to be University)
Poona College of Pharmacy,
Erandwane, Bharati Vidyapeeth
Kothrud Campus, Pune-411 038
(Tel. No. : 020- 25437237)
E-mail: pcp.bvu@gmail.com
Website: www.pcp.bharatividyaapeeth.edu

New Delhi

- 2) Bharati Vidyapeeth
(Deemed to be University)
Institute of Management & Research
A-4, Rohtak Road, Paschim Vihar,
Attached to Paschim Vihar
(East Metro Station),
New Delhi - 110063.
Tel. No. : 011-25285808,
25284396

Navi Mumbai

- 3) Bharati Vidyapeeth's
Poona College of Pharmacy
Sector 8, CBD Belapur,
Navi Mumbai - 400 614
Tel.No. : 022-27571505,
Fax : 022-27574515)

- A) Last date for submission of
online application form **7th June 2018 upto 5.00 p.m.**
at : www.bvuniversity.edu.in
- B) Date and Time of Entrance Test (written)
(PHARMUG-2018) **10th June 2018**
11.00 a.m. to 2.00 p.m.
- C) Centers of (PHARMUG-2018) (Places where Written Test will be held)
 - 1) **Pune**
Bharati Vidyapeeth
(Deemed to be University)
Poona College of Pharmacy
Paud Road, Erandwane,
Pune-411 038
020- 25437237
 - 2) **Navi Mumbai**
Bharati Vidyapeeth's
College of Pharmacy
Sector 8, CBD Belapur,
Navi Mumbai - 400 614
Tel.No. : 022-27571505,
Fax : 022-27574515
 - 3) **New Delhi**
Bharati Vidyapeeth (Deemed to be University)
Institute of Management & Research
A-4, Rohtak Road, Paschim Vihar,
Attached to Paschim Vihar, (East Metro Station)
New Delhi-110063 Ph. : 011-25285808
- D) Declaration of result(PHARMUG-2018) **20th June 2018 after 5.00 pm.**
at : www.bvuniversity.edu.in
- E) Counselling & on the spot admissions
(PHARMUG-2018) **4th & 5th July 2018**
at 9.00 hrs. at
Bharati Vidyapeeth
(Deemed to be University)
Poona College of Pharmacy
Paud Road, Erandwane,
Pune-411 038
020- 25437237

The counselling schedule will be as follows :

Date	Candidates called for Counselling	Time
04/07/2018	All candidates for Reserved seats	9.00 a.m.
	Foreign/NRI/PIO/OCI/Institutional Quota Merit	10.00 a.m.
	Open Category Merit Nos. 1 to 100	1.00 p.m.
05/07/2018	Open Category Merit Nos. 101 Onwards	9.00 a.m.

- F) Commencement of Classes **9th July 2018**

- Entrance Test Fee of **Rs. 1,450/-** to be sent along with completed online application form.(Non refundable)

Please Note: The admission to the B.Pharm programme at the Poona College of Pharmacy, Pune are subject to directions from U.G.C., Ministry of HRD and the State Government, Maharashtra from time to time.



Bharati Vidyapeeth
(Deemed to be University) Pune, India.

Bharati Vidyapeeth Bhavan, Lal Bahadur Shastri Marg, Pune - 411 030.

Phone No. : 020 24407131/132/133

Fax No. : 020-24329675

Website : www.bvuniversity.edu.in

E-Mail : cet@bharatividyaapeeth.edu