

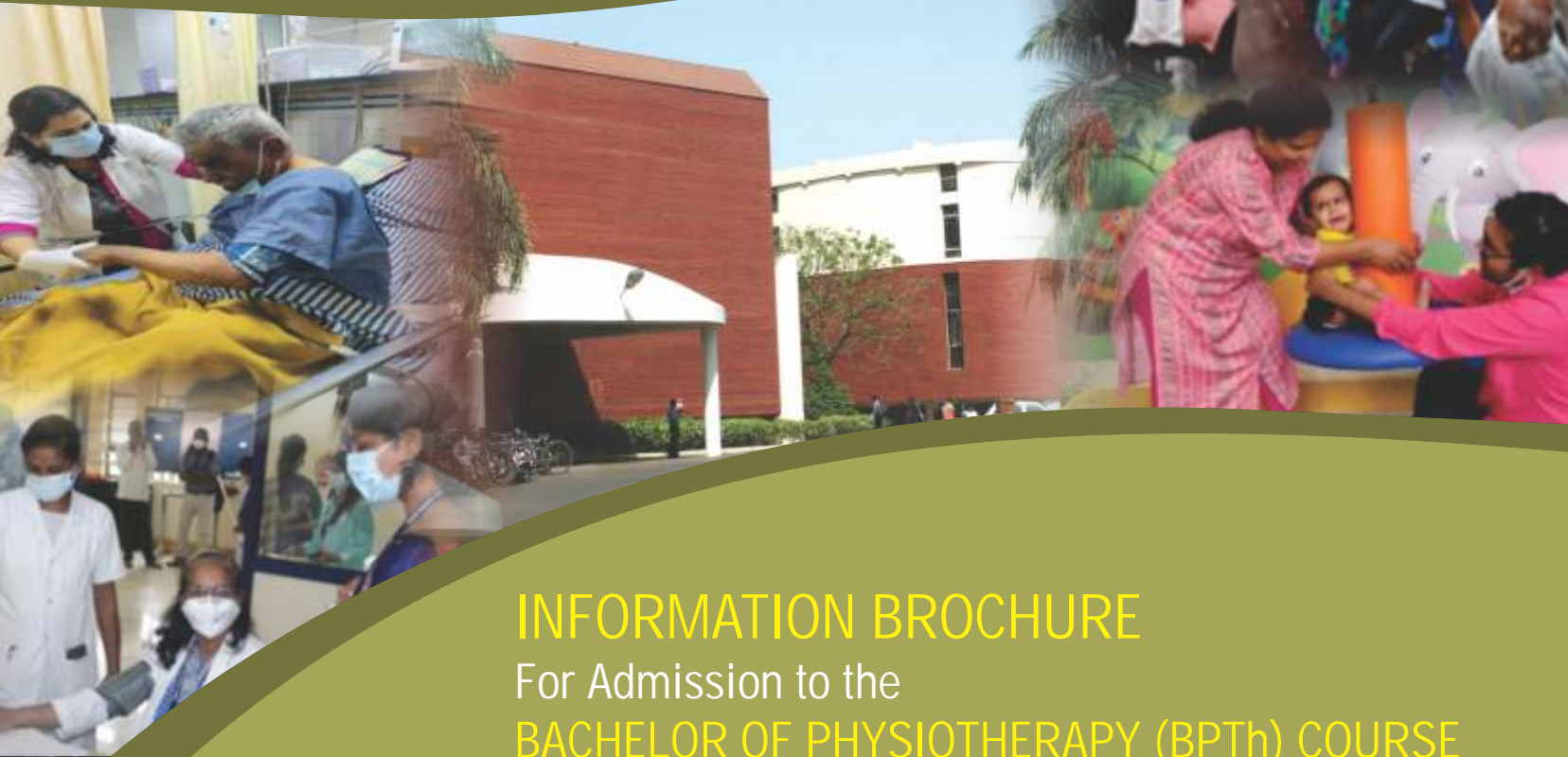


BHARATI VIDYAPEETH

(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
- Category-I (Deemed to be University Grade) by University Grants Commission
- Recognized under Section '12 B' of UGC Act (1956) by University Grants Commission
- Ranked 68th among Top 100 Universities by NIRF 2021, MHRD Govt. of India



INFORMATION BROCHURE

For Admission to the

BACHELOR OF PHYSIOTHERAPY (BPT) COURSE

At

Bharati Vidyapeeth (Deemed to be University)

SCHOOL OF PHYSIOTHERAPY

PUNE & SANGLI

Academic Year 2022-23

Important Dates BACHELOR OF PHYSIOTHERAPY BPTTh CET-2022

A)

Entrance Test	Last Date of Online Application	Date of Online Entrance Test	Date of Declaration of result
B.Tech, B.Pharm/Pharm D. ABON (Multi-date computer centre based online entrance test)	20 th June 2022 30 th June 2022	1 st /2 nd July 2022 10 th July 2022	20th July 2022 at www.bvuniversity.edu.in

B) Counselling & on the spot admissions

Admission to Institute at	Counseling location	Date	Time
Pune	School of Physiotherapy, Pune	28th July 2022	10.00 am only
Sangli	School of Physiotherapy, Sangli	28th July 2022	10.00 am only

OUR INSTITUTES (For information)

Pune

Bharati Vidyapeeth (Deemed to be University)

School of Physiotherapy,

Pune-Satara Road, Pune 411043.

Tel. No. 020-24055555, 24372223

Web : <http://soptpune.bharativedyapeeth.edu/>

Email : sopt.pune@bharativedyapeeth.edu

Sangli

Bharati Vidyapeeth Medical College & Hospital, (Deemed to be University)

School of Physiotherapy,

Wanlesswadi, Sangli-416416.

Tel. No. : 0233 2601592/0233 2601593

Web : <http://soptsangli.bharativedyapeeth.edu/>

Email : sopt.sangli@bharativedyapeeth.edu

C) Commencement of Classes

1st August 2022



Hon'ble Dr. Patangrao Kadam

Founder : Bharati Vidyapeeth (1964)

FOUNDER - CHANCELLOR: Bharati Vidyapeeth (Deemed to be University)

: Vision of the University :
To be a world class University for Social Transformation through Dynamic Education



Hon'ble Dr. Shivajirao Kadam
Chancellor,
Bharati Vidyapeeth
(Deemed to be University), Pune



Hon'ble Dr. Vishwajeet Kadam
Secretary,
Bharati Vidyapeeth
Pro Vice Chancellor,
Bharati Vidyapeeth
(Deemed to be University), Pune



Hon'ble Dr. Manikrao Salunkhe
Vice Chancellor,
Bharati Vidyapeeth
(Deemed to be University), Pune



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
 विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
 An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
 National Assessment and Accreditation Council
 on the recommendation of the duly appointed
 Peer Team is pleased to declare the
 Bharati Vidyapeeth University
 (Deemed to be University u/s 3 of the UGC Act, 1956)
 Sadashiv Peth, Pune, Maharashtra as
 Accredited
 with CGPA of 3.53 on seven point scale
 at A* grade
 valid up to March 27, 2024*

Date : March 28, 2017



DD Singh
 Director

EC(SC)/23/A&A/36.3

National Institutional Ranking Framework- 2021
Ministry of Human Resource Development
Government of India



Maintaining its tradition in academic excellence, in the sixth consecutive year, Bharati Vidyapeeth (Deemed to be University), Pune and its constituent units have the reason to be proud for getting recognized and ranked among leading Universities and Institutes in India. Bharati Vidyapeeth is probably the only educational organization in the country to have 3 institutes having high NIRF ranking.

Poona College of Pharmacy, Pune ranked 17th in 2021 at the national level under Pharmacy category

Institute of Management and Entrepreneurship Development (IMED), Pune ranked 69th in 2021 at the national level under Management category

College of Engineering, Pune, ranked 96th in 2021 at the national level under Engineering category

University Achievements:

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

Category-I (Deemed to be University Grade) by University Grants Commission

Recognized under Section '12 B' of UGC Act (1956) by University Grants Commission

Ranked 68th among Top 100 Universities by NIRF 2021, MHRD Govt. of India

Other Achievements of the University:



NBA

- College of Engineering have been accredited with National Board of Accreditation for its 5 PG Courses.
- Poona College of Pharmacy has been accredited with NBA



NABH

- Bharati Hospital and Research Centre of Medical College has undergone assessments for full NABH accreditation.



NABL

- Hospital Laboratories in Pathology, Microbiology and Biochemistry have been accredited with NABL
- Centre for food testing Laboratory



FDA Approval

- NABH accreditation and FDA approval for Hospital Blood Bank, Safe-I accreditation of the NABH for Infectious diseases was also received.
- Blood Bank
- Public Testing Laboratory of Poona College of Pharmacy, Pune

BHARATI VIDYAPEETH

Bharati Vidyapeeth, the parent body of Bharati Vidyapeeth (Deemed to be University) was established on 10th May 1964, by distinguished educationist Hon'ble Dr. Patangraoji Kadam, with a mission of promoting 'Social Transformation Through Dynamic Education'. Since its establishment, it has maintained the highest standards and has proliferated innovative practices in the education sector.

In the year 2013-14, Bharati Vidyapeeth celebrated the glorious Golden Jubilee year of imparting education and inculcating moral values among the youth. During the last 5 decades, Bharati Vidyapeeth has made astonishing strides in the field of education. Today it is one of the largest educational organizations in the country that imparts education right from the pre primary to the doctoral level. The spectrum of Bharati Vidyapeeth institutions of higher education spans all professional disciplines which include the colleges of Medicine, Dentistry, Nursing, Audiology, Optometry, Ayurved, Homeopathy, Engineering, Architecture, Management, Law, Pharmacy, Hotel Management and Catering Technology, Environment Education, Physical Education, Health Management, Biotechnology etc.



Research too is given a high priority in the university. To promote research activities and to create a research culture on its campuses, Bharati Vidyapeeth has established three self-financed specialized research institutes in the areas of Health Related Sciences, Pharmaceutical Science, and Social Sciences.

The colleges are affiliated to various universities including Bharati Vidyapeeth (Deemed to be University), University of Pune, University of Mumbai, Shivaji University Kolhapur and Indraprastha University, Delhi.

With an objective of making educational opportunities available to the deprived sections of the country, Bharati Vidyapeeth has established a large number of educational institutions in the rural areas. Bharati Vidyapeeth with a very moderate beginning in a short span of time has grown leaps and bounds having its major campuses in New Delhi, Navi Mumbai, Pune, Solapur, Kolhapur, Sangli, Karad, Satara and Panchgani.

Bharati Vidyapeeth (Deemed to be University) Pune

Bharati Vidyapeeth (Deemed to be University) came into existence in April, 1996, when the Ministry of Human Resource Development, Government of India, on the recommendations of UGC conferred the status of University on a cluster of 12 institutions of Bharati Vidyapeeth. In appreciation of the academic excellence achieved by the institutions through a committee of experts. Subsequent to that, the Government of India, vide its various notifications brought several other institutions of Bharati Vidyapeeth under the ambit of this University. As on today the University is having 29 constituent units conducting programmes in 12 different disciplines. Bharati Vidyapeeth (Deemed to be University) is one of the largest multi- faculty, multi-campus Deemed to be University in the country which has created a very laudable track record of academic achievements since its inception.

It offers a variety of programmes in 12 faculties namely:

1. Faculty of Medical Sciences
2. Faculty of Dentistry
3. Faculty of Ayurved
4. Faculty of Homoeopathy
5. Faculty of Nursing
6. Faculty of Engineering and Technology
7. Faculty of Pharmaceutical Sciences
8. Faculty of Management Studies
9. Faculty of Arts, Social Sciences and Commerce
10. Faculty of Sciences
11. Faculty of Law
12. Faculty of Interdisciplinary Studies

The twenty nine constituent institutions of the University are located in eight different campuses; two in Pune, and one each in New Delhi, Navi Mumbai, Kolhapur, Solapur, Sangli and Karad.

The UGC has also recognized this University u/s12(B) of UGC Act 1956. This University is a Member of Association of Indian Universities and has been a Member of Association of Common wealth Universities.





The University is academically and intellectually very productive. Its faculty members have a very remarkable track record of research publications and patents. It has digitalized the libraries in its constituent units and has been making an extensive use of modern Information and Communication Technology in teaching, learning, research and also administration. The University attracts students from all over India and around 35 countries due to its academic reputation.

Distinctive Features of Bharati Vidyapeeth (Deemed to be University)

- Accredited with 'A+' Grade by NAAC in 2017 for seven years.
- 'A' Grade University status by MHRD, Govt. of India
- Category-I (Deemed to be University Grade) by University Grants Commission
- Recognised under Section '12 B' of UGC Act (1956) by University Grants Commission
- Ranked 68th among top 100 Universities by NIRF 2021, MHRD, Govt. of India
- The University offers 250+ programmes under 12 faculties.
- High quality of all-around education has attracted many students from all over India and 35 countries to pursue their studies. Presently there are 23000+ students enrolled into various programmes offered by the University.
- Behind the reputation of the University are the solid credentials of accomplished and experienced 1700+ faculty members, imparting quality education.
- Excellent placements record for its students across faculties and has known industry endorsements.
- Strong alumni network spread across the globe.
- Programmes are designed to enhance employability of students with focus on collaborative and experiential learning pedagogy.
- Entrepreneurship cell has been established to develop entrepreneurial skill and incubate innovative business ideas.
- University constantly encourages and facilitates its faculties to be actively engaged in academic research and publications besides their teaching assignments by establishing collaborative and interdisciplinary research links with industries and institutions around the world.
- All professional programmes are approved by respective Statutory Councils.
- As part of dissemination of knowledge, University organizes International and National Conferences, Seminars, Workshops etc., in recent and upcoming themes.
- Knowledge Resource Centre (Libraries) has an excellent collection of books, print journals, e-journals, and magazines etc. which are regularly being expanded by adding latest publications.
- Augmented infrastructural facilities including smart classrooms, tools for blended learning, laboratories equipped with latest technologies, free accessibility to Wi-Fi, lush green campuses, adequate recreational facilities, on campus residential accommodation etc.
- University is committed to engage for the welfare of the society through various schemes of outreach Programmes and Field work.

Digital Initiatives at BVDU:

University's Information and Communication Technology Centre always acts proactively to meet the dynamic requirements of the University and its constituent units. Its contribution encompasses all spheres of the University – academics, research, administration and governance.

Some of these ICT Services are listed as bellow:



Skill Development Initiatives at BVDU:

पूना कॉलेज ऑफ फार्मसीतर्फे 'स्किल्ड पीसीपी' केंद्राची स्थापना

प्रभात वृत्तवेळा

पुणे, दि. ३ - नावीन्यपूर्ण कल्पना आणि उद्योजकता विचारांसाठी पूना कॉलेज ऑफ फार्मसीतर्फे 'स्किल्ड पीसीपी' केंद्राची स्थापना केली आहे. हे केंद्र स्थापनेपासूनच जगात आरोग्यविषयी रुग्णांपासून मार्गदर्शन व चालना देऊन, लॉबी जवाबदाऱ्यांक कडून सामाजिक हित साध्य करणे असा आहे. जनक सहा सैबाचे अध्यक्ष प्रा. उमेश बनकर यांच्या हस्ते या इन्फर्मेसन इन्व्हेस्टम सेंटरचे उद्घाटन झाले. बौद्धिक संपदा निर्माण करण्याकर भर द्यावा. प्रत्येकवेळी पेटंटचे सुचोव कर्मशेवेल टोर्टल, असा विचार करणे हा बौद्धिक संपदा निर्माण करण्याचा सर्वात मोठा अडथळा



आहे, असे प्रा. बनकर यांनी म्हटले. याप्रसंगी पीव्हीव्ही लॉबी सभ्य-सेस व पूना कॉलेज ऑफ फार्मसी यांच्यातर्फे स्टुडंट्सकल अंतर्गत निर्मितीबाबतचा समजवणूक करत झाला. या कार्यक्रमासाठी प्रभाती प्राचार्य डॉ. आत्माराम पवार, उपप्राचार्य डॉ. वर्षा पोखरकर उपस्थित होते. भारती विद्यापीठ अधिपति

विश्वविद्यालयाचे कुलपती डॉ. शिवाजीराव कादम, प्रा. कुल्लुस व कापेवाड डॉ. विश्वजीत कादम, कुल्लुस डॉ. माणिकराव सहासुंबे व पूना कॉलेज ऑफ फार्मसीचे सहाजी प्राचार्य डॉ. के. आर. महाडिक यांचे मार्गदर्शन लाभले. कार्यक्रमाचे आयोजन डॉ. सी. बोधीराजा आणि डॉ. विविधा पापले यांनी केले.



BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)
POONA COLLEGE OF PHARMACY, PUNE

Skill Knowledge incubate innovate Learning & Development Center







Bharati Vidyapeeth (Deemed to be University)
Poona College of Pharmacy
Reaccredited with "A+" Grade by NAAC & NBA
INSTITUTION'S INNOVATION COUNCIL
Ministry of Education



SIH 2020 (Hardware Category)

Winners

For Innovation

COST EFFECTIVE MECHANISM TO TREAT WASTE WATER IN SMALL VILLAGES

VSP9

Swachh Bharat

Govt of Andhra Pradesh

WINNER



Dr. C. Bothiraja
PROFESSOR
(Team Mentor)



Ankit Pramanick
(Team Leader)



Maitri Kumari
(Team Member)



Joshi Samrudhi
(Team Member)



Gritika Kanojia
(Team Member)



Ryan Varghese
(Team Member)



Anant Phatake
(Team Member)

FROM

DR. ATMARAM PAWAR
(IIC PRINCIPAL)

DR. VARSHA POKHARKAR
(VICE PRINCIPAL)

DR. JANHAVI RAO
(VICE PRINCIPAL)

IIC, MIC, PCP AND BV(DU) FAMILY

Constituent Units of Bharati Vidyapeeth (Deemed to be University)

Health Sciences:

1. Faculty of Medical Sciences
 - Medical College, Pune
 - School of Audiology and Speech Language Pathology, Pune
 - School of Optometry, Pune
- Medical College and Hospital, Sangli
- School of Optometry, Sangli
- School Of Physiotherapy, Pune & Sangli
2. Faculty of Dentistry
 - Dental College and Hospital, Pune
 - Dental College and Hospital, Sangli
 - Dental College and Hospital, Navi Mumbai
3. Faculty of Ayurved
 - College of Ayurved, Pune
4. Faculty of Homoeopathy
 - Homoeopathic Medical College, Pune
5. Faculty of Nursing
 - College of Nursing, Pune
 - College of Nursing, Sangli
 - College of Nursing, Navi Mumbai

Engineering & Technology

6. Faculty of Engineering and Technology
 - College of Engineering, Pune
 - College of Architecture, Pune
7. Faculty of Pharmaceutical Sciences
 - Poona College of Pharmacy, Pune

Management

8. Faculty of Management Studies
 - Institute of Management and Entrepreneurship Development, Pune

- Institute of Management and Research (BVIMR), Delhi
- Institute of Management, Kolhapur
- Institute of Management and Rural Development Administration, Sangli
- Yashwantrao Mohite Institute of Management, Karad
- Abhijit Kadam Institute of Management and Social Sciences, Solapur
- Institute of Hotel Management and Catering Technology, Pune

Social Sciences and Humanities

9. Faculty of Arts, Social Sciences and Commerce
 - Yashwantrao Mohite College of Arts, Science and Commerce, Pune
 - School of Performing Arts, Pune
 - Social Sciences Centre, Pune
 - College of Physical Education, Pune
10. Faculty of Sciences
 - Rajiv Gandhi Institute of Information Technology and Biotechnology, Pune
 - Institute of Environment Education and Research, Pune
11. Faculty of Law
 - New Law College, Pune
 - Bharati Vidyapeeth Department of Law, New Delhi

Faculty of Interdisciplinary Studies

12. Research Institutes:
 - Interactive Research School for Health Affairs, Pune
 - Yashwantrao Chavan Institute of Social Sciences Studies & Research, Pune
 - Research and Development Centre in Pharmaceutical Sciences and Applied Chemistry



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SCHOOL OF PHYSIOTHERAPY

PUNE & SANGLI

INFORMATION BROCHURE

For Admission to the

BACHELOR OF PHYSIOTHERAPY (BPT) COURSE
2022-23

Bharati Vidyapeeth (Deemed to be University)

SCHOOL OF PHYSIOTHERAPY

BACKGROUND OF THE PROFESSION:

Statement of Philosophy:

Physiotherapy practice spans the continuum from health promotion to prevention to rehabilitation for individuals and populations throughout the lifespan. Physiotherapy diagnoses movement dysfunctions based on skilful examination and evaluation regardless of the cause or aetiology and provide skilled therapeutic intervention to foster improvement in physical functioning and maximizing overall quality of life.

Physiotherapists provide the initial access into the health care system for persons with impairments and functional limitations amenable to physiotherapy and engage in collegial referral relationships with other health care professionals.

Physiotherapist's role also includes that of case manager, teacher, researcher, and consultant. The faculty believes the first priority of education is to prepare people for a well-rounded, balanced life with broad social and cultural interests and as involved, active citizens of our country.

Physiotherapist must have commitments to lifelong learning and to search for the evidence that supports and advances practice. Critical thinking, problem solving, intellectual perseverance and courage are all essential characteristics of the successful physiotherapist.

About Physiotherapy:

Physiotherapists are health care professionals with a significant role in health promotion and treatment of injury and diseases. They combine their in-depth knowledge of the body and how it works with specialized hands-on clinical skills to assess, diagnose and treat symptoms of illness, injury or disability.

All physiotherapists registered to practice are qualified to provide safe and effective physiotherapy. They have met national entry-level education and practice standards, and have successfully passed a standardized physiotherapy competence examination.

Scope of practice:

Physiotherapists plan and administer physiotherapy/ rehabilitation treatments independently and also being a part of the multidisciplinary team. The minimum education requirement is often a baccalaureate degree or postgraduate degrees in Physiotherapy.

Physiotherapy is an essential part of the health and community/welfare services delivery system. Physiotherapists practice independently of other health care/service providers and also within multidisciplinary rehabilitation/habilitation programmes to prevent, gain, maintain or restore optimal function and quality of life in individuals with loss and disorders of movement.

Physiotherapists are guided by their own code of ethical principles. Thus, they may be concerned with any of the following purposes:

1. Promoting the health and well-being of individuals and the general public/society, emphasizing the importance of physical activity and exercise.
2. Preventing impairments, activity limitations, participatory restrictions and disabilities in individuals at risk of altered movement behaviours due to health or medically related factors, socio-economic stressors, environmental factors and lifestyle factors.
3. Providing interventions/treatment to restore integrity of body systems essential to movement, maximize function and recuperation, minimize incapacity, and enhance the quality of life, independent living and

workability in individuals and groups of individuals with altered movement behaviours resulting from impairments, activity limitations, participatory restrictions and disabilities

4. Modifying environmental, home and work access and barriers to ensure full participation in one's normal and expected societal roles Physiotherapists may also contribute to the development of local, national and international health policies and public health strategies.

BPTTh Course duration:

It is Four years and six months program (including six months of internship) - Bachelor's degree programme.

Degree Awarded:

After completion of the entire duration of Course and internship, successful students will be awarded the degree of 'Bachelor of Physiotherapy' (BPTTh).

Recognition of Title and qualification:

The recommended title thus stands as the "Physiotherapist" with the acronym –"PT" for this group of professionals

The aims of the recommended curriculum are to produce Physiotherapists who are –

- v Technically and clinically competent for independent decision making;
- v Enable to assess a patient;
- v Aware of patient conditions and treatment along with the importance of quality assurance;
- v Understand the theoretical basis for evidence based practice;
- v Effective member of the multidisciplinary team;
- v Prepared to participate in or initiate research into practice.

PROGRAM OUTCOMES:

1. The purpose of this curriculum is to delineate the cognitive, affective and psychomotor skills deemed essential for completion of this program and to perform as a competent physiotherapist who will be able to examine, evaluate, diagnose, plan, execute and document physiotherapy treatment independently or along with the multidisciplinary team.
2. Evaluate patients for impairments and functional limitations and able to execute all routine physiotherapeutic procedures as per the evaluation.
3. Able to operate and maintain Physiotherapy equipment used in treatment of patient, Physiotherapy treatment planning (both electrotherapy and exercise therapy) & procedures independently.
4. Able to provide patient education about various physiotherapeutic interventions to the patient and care givers.

Programme specific outcomes:

1. Coursework entitles independent Physiotherapy assessment and treatment in any healthcare delivery centres in India by the graduates.
2. The coursework is designed to train students to work as independent Physiotherapists or in conjunction with a multidisciplinary team to diagnose and treat movement disorders as per red and yellow flags.

3. Course works will expertise the graduate's physical/ functional diagnosis, treatment planning, and management, administration of Physiotherapy treatment and for patient support.
4. Graduates can acquire employment opportunities in hospitals/nursing homes / sports /fitness centres/Community Rehabilitation /Health planning boards/health promotions services in both private and public sectors as well as in independent physiotherapy clinics.
5. Physiotherapy graduate is encouraged to pursue further qualification to attain senior position in the professional field and also to keep abreast with the recent advances, new technology and research. The professional should opt for continuous professional education credits offered by national and international institutes.

The graduate will be a competent and reflective Physiotherapy practitioner who can function safely and effectively while adhering to legal, ethical and professional standards of practice in a multitude of physiotherapy settings for patients and clients across the lifespan and along the continuum of care from wellness and prevention to rehabilitation of dysfunction.

The graduate will utilize critical inquiry and evidence based practice to make clinical decisions essential for autonomous practice.

The graduate will function as an active member of professional and community organizations.

The graduate will be a service-oriented advocate dedicated to the promotion and improvement of community health.

The graduate will demonstrate lifelong commitment to learning and professional development.

Career Opportunities :

Currently there is demand for Physiotherapy specialty, opportunities are excellent. Graduates with this qualification are recognized throughout India and abroad. Physiotherapy is delivered in a variety of settings which allow it to achieve its purpose. Prevention, health promotion, treatment/intervention, habilitation and rehabilitation take place in multiple settings that may include, but are not confined to, the following:

- a. Community based rehabilitation programmes
- b. Community settings including primary health care centres, individual homes, and field settings
- c. Education and research centres
- d. Fitness clubs, health clubs, gymnasias and spas
- e. Hospices
- f. Hospitals
- g. Nursing homes
- h. Occupational health centres
- i. Out-patient clinics
- j. Physiotherapist private offices, practices, clinics
- k. Prisons
- l. Public settings (e.g., shopping malls) for health promotion
- m. Rehabilitation centres and residential homes
- n. Schools, including pre-schools and special schools
- o. Senior citizen centres
- p. Sports centres/clubs
- q. Workplaces/companies

Eligibility for admission:

1. He/she has passed the Higher Secondary (10+2) or equivalent examination recognized by any Indian University or a duly constituted Board with pass marks (50%) in physics, chemistry & biology (botany & zoology), (i.e. Physics, chemistry and biology as mandates requirements).
2. Candidates who have studied abroad and have passed the equivalent qualification as determined by the Association of Indian Universities will form the guideline to determine the eligibility and must have passed in the subjects: Physics, Chemistry, Biology and English up to 12th Standard level.
3. Candidates who have passed the Senior Secondary school Examination of National Open School with a minimum of 5 subjects with any of the following group subjects.
 - a. English, Physics, Chemistry, Botany, Zoology
 - b. English, Physics, Chemistry, Biology and any other language
4. He/she has attained the age of 17 years as on 31st December of current year.
5. Admission to Bachelor of Physiotherapy course shall be made on the basis of eligibility and an Entrance test, to be conducted by the Bharati Vidyapeeth Deemed to be University.

Institutional Vision and Mission:-

“Social Transformation through Dynamic Education”

VISION

To Provide quality Medical Education and Professional Skills in the field of physiotherapy by creating and enriching environment for learning and research, and nurturing excellence through dynamic social transformation.

MISSION

1. To prepare students to face global health care needs in the field of Physiotherapy by providing conducive atmosphere and infrastructure for effective learning.
2. To stimulate and extend the frontiers of knowledge through faculty development and foster research culture among the students and faculty for continuous up gradation of knowledge and Skills.
3. To develop students into quality physiotherapist well equipped with Cognitive, Psychomotor and Affective skills.
4. To uplift the proficiency of physiotherapist by providing a Platform for growth through Regional, National and international collaboration.

Bharati Vidyapeeth (Deemed to be University)

SCHOOL OF PHYSIOTHERAPY, PUNE

Kinesiotherapy and Electrotherapy Labs, Yoga Labs



PHYSIOTHERAPY - OPD



Group Therapy PAEDIATRIC OPD



Physiotherapy Services in OPD and IPD : A. ICU , WARDS:





Physiotherapy in Covid ICU



CEREBRAL PALSY CLINIC (CP Clinic)

CP clinic is running in co-ordination with CDGC Unit, Paediatrician, Paediatric Neurologist, Paediatric Ortho Surgeon, Speech and Language Therapist, Occupational Therapist, and Physiotherapist.

Date:- First Wednesday and Last Friday of every month

In this clinic each department present their own point. Physiotherapy Department presents neuromuscular co-ordination and other measurable parameters and appropriate decision about Rehabilitation and Orthopaedic management is taken in this panel. This clinic helps to give holistic rehabilitation to the child.



Physiotherapy Departmental Activities : Lecture on Infection control



Bharati Vidyapeeth (Deemed to be University)

SCHOOL OF PHYSIOTHERAPY, SANGLI

RECENT EVENTS

- NATIONAL CONFERENCE MS-PHYSCON 2020 :**

The Conference was organized by BHARATI VIDYAPEETH, Department of Physiotherapy, Sangli in collaboration with Miraj Medical Centre's College of Physiotherapy and Association of Physiotherapy, Sangli District in 8th February 2020 where more than 300 delegates participated in conference. It started with The Pre- Conference Workshop on 07/02/2020 by eminent Resource Persons and Post- Conference Workshop followed on 09/02/2020.



- ACUTE COVID and POST COVID REHABILITATION:**

The physiotherapists here give a complete Acute Covid- ICU & Wards care and Rehab Protocol and a Post Covid Rehabilitation to all the affected patient depending on the severity of the diseases.



PHYSIOTHERAPY WEEK CELEBRATION

- **Post COVID Fitness Assessment at Physiotherapy Department :**

The event covered wide range of assessment procedures for post Covid health care professionals which evaluated the status of cardio respiratory system, Strength and Endurance and Balance.



- **Paediatric PT Camp at Paediatric Physiotherapy Department :**

The event covered wide range of assessment procedures for specially abled children with delayed development along with other motor and sensory issues which evaluated the status of neuro-muscular system. Appropriate management was administered according to child's individual needs using various rehabilitation equipments and Neuro developmental approaches.



- **ANC/PNC Group Therapy :**

The exercises given to each patient in the event was in the form of group exercises and music therapy which was time saving and encouraged every patient.



- Spine Rehabilitation Camp at Physiotherapy OPD :**

The camp was organized for patients suffering from range orthopaedic spinal problems, which involved thorough assessment & prompt management with Evidenced based Physiotherapy.



- Stroke Clinic Inauguration :**

The Stroke Clinic was inaugurated by Dean Sir Dr. Shahaji Deshmukh; the clinic is well equipped with advanced modalities and will function every Thursday.



ACADEMIC FACILITIES

Advanced classrooms, central & college level library, e-library and access to all required journals advanced Kinesiotherapy & Electrotherapy laboratory, exercise physiology, yoga and clinical skills lab, well managed information resource centre practical exposure.

ELECTROTHERAPY LAB :



KINESIOLOGY & KINESIOTHERAPY LAB:



EXERCISE PHYSIOLOGY & YOGA LAB:



PHYSIOTHERAPY OPD & IPD



PROCEDURE AND RULES FOR ADMISSION

1 ONLINE COMPUTER BASED ENTRANCE TEST - GENERAL INSTRUCTIONS, TERMS AND CONDITIONS:

- 1.1 BPTTh CET 2022 is a ranking examination for admission to First Year Bachelor of Physiotherapy under graduate programme for 2022-23 academic session.
- 1.2 The online computer based entrance tests are conducted on specific date. Applicant may kindly note that mere appearance in the online computer based entrance test and inclusion of name in the merit list does not confer any automatic rights to secure admission to the programme offered by the college. The selection and admission to the programme is subject to fulfilling the admission criteria, eligibility, and any such criteria as may be prescribed by the University and availability of seats to the particular programme and college at the time of counselling.
- 1.3 Applications of candidates producing false or fabricated information will not be considered
- 1.4 Before initiating online registration process, candidates should go through the Information brochure carefully for eligibility criteria, and pattern of examination etc. The information brochure shall be available at www.bvuniversity.edu.in
- 1.5 Incomplete online application, if not in accordance with instructions, will not be considered and processed. Applicant should carefully fill up all the fields during online application process and complete the payment process. Application once submitted finally, cannot be withdrawn/modified.
- 1.6 The online computer based entrance test fee, once paid, will not be refunded under any circumstances.

Candidates who remain absent for the entrance test will forfeit their entrance test fee.

- 1.7 The Information brochure is subject to modification without notice. Please check the website regularly for updates, if any.
- 1.8 The authorities of the college reserves the right to withdraw permission, if any, granted inadvertently to any candidate who is not eligible to appear in the online computer based entrance test even though Admit card/Registration number has been issued.
- 1.9 The admissions provided to candidates based on the result of the online computer based entrance test will be purely provisional and subject to the fulfillment of eligibility criteria as mentioned in the Information brochure.
- 1.10 Under no circumstance a change in examination centre once selected by the candidate will be allowed.
- 1.11 All the correspondence should preferably be addressed by e-mail. The e-mail query shall be addressed only if it is not anonymous and not vague.
- 1.13 Candidates are deemed to have read, agreed and accepted the terms and conditions in the Information brochure and then completed the online registration/application form for the online computer based entrance test.
- 1.14 In case of differences of opinion or any ambiguity in interpretation and implementation of any of

the instructions/ terms/ rules/ criteria regarding the determination of eligibility/ conduct of examinations/ registration of candidates/ information contained herein, the same shall be referred to the Vice Chancellor of the Bharati Vidyapeeth (Deemed to be University) and his decision shall be final and binding on all concerned.

- 1.15 Any legal matters arising out of the total admission process through the All India Common Entrance Test of Bharati Vidyapeeth (Deemed to be University), Pune – 30 i.e. BPTH CET 2022 shall be within the exclusive jurisdiction of competent courts at Pune, Maharashtra State only.

2. GENERAL

The information and the rules given herein are applicable for admissions to the first year of four years full time Bachelor of Bachelor of Physiotherapy (BPTH) undergraduate degree programme of Bharati Vidyapeeth (Deemed to be University), Pune.

The seats will be filled on merit, based on their performance in BPTH CET 2022 online computer based entrance test", conducted by Bharati Vidyapeeth (Deemed to be University) at the designated centers.

INTAKE CAPACITY:

Course - Bachelor of Physiotherapy (BPTH)

Bachelor of Physiotherapy (BPTH)	Pune	Sangli
Intake Capacity (Total Seats)	60	60

Note : 15% seats are reserved under Foreign / NRI / P.I.O. / OCI/ Institutional Quota Merit Category. Candidates seeking admissions to the seats under Foreign / NRI / P.I.O. / OCI/ Institutional Quota Merit 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 Bachelor of Physiotherapy (BPTH)-2022. The last date for submission of form to this category at the above mentioned address is **30th June 2022** before 5.00 p.m.

All the candidates seeking admissions will have to appear for online computer based Entrance Test BPTH CET 2022 conducted by Bharati Vidyapeeth (Deemed to be University), Pune. All candidates will have to apply online & fill the prescribed application form.

3. ELIGIBILITY

Admission to First year BPTH is through BPTH CET 2022

Only those candidates who satisfy or are likely to satisfy the relevant eligibility requirements for admission to the course will be considered eligible to appear for the entrance and subsequently for admission to the course.

Eligibility requirements for online computer based Entrance Test-2022 and subsequent admission to B P Th are as follows:

- a) The candidate applying for admission to B.P.Th course should have passed 10+2 examination or

equivalent / two years of Pre-University/ Pre-Degree examination conducted by the Pre University Board of Education of Government of respective State with a minimum of 50% in Physics, Chemistry and Biology.

- b) The candidate shall have studied English as a subject in the qualifying examination and passed the same.
- c) Applicants shall attain the age of 17 years as on 31st December of current year.

4. BASIS OF SELECTION FOR ADMISSION

- 4.1 A Candidate desirous of seeking admission to First Year Bachelor of Physiotherapy undergraduate programme should fulfill the minimum eligibility condition as stated in point no. 3 above. The final admission will be offered based solely on the merit obtained at the all India online computer based entrance test BPTTh CET 2022 conducted by Bharati Vidyapeeth (Deemed to be University), Pune.
- 4.2 Mere appearance in the online computer based entrance test and inclusion of name in the merit list does not confer any automatic rights to secure admission to the programme offered by the College. The selection and admission to the programme is subject to fulfilling the eligibility criteria.
- 4.3 In case two or more candidates obtain equal marks in the BPTTh CET 2022 the inter-se-merit of such candidates shall be determined in order of preference as under:
 - 4.4.1 Candidate obtaining higher total marks in subjects of Biology, Chemistry, Physics in the 12th standard qualifying examination. (Such a tie will be settled at the time of counselling), if equal
 - 4.4.2 Candidate obtaining higher percentage of total marks in the 10th standard examination, if equal
 - 4.4.3 In case of tie at this level, computerized random selection of candidate will be carried out.

5. NATURE OF ONLINE COMPUTER BASED ENTRANCE TEST - BPTTh CET 2022

- 5.1 The BPTTh CET 2022 is an Online Computer based entrance test for admission to B. P Th. Programme will consist of in all 200 marks and shall be of 180 minutes duration.

The online computer based entrance test will consists of one question paper, set in English and will contain 200 multiple choice objective-type questions, 60 on Physics, 60 on Chemistry, 80 on Biology (Botany and Zoology) . They will be set on the topics in the syllabus of 10+2 (H.S.C.) course based on in general pattern of 10+2 examination syllabus. It consists of 200 multiple choice questions, one mark each with four alternatives, with only one correct or most appropriate answer. One mark will be awarded for each correct answer. There is no negative marking for online computer based entrance test.

MODE OF CONDUCT OF COMPUTER BASED ONLINE ENTRANCE TEST

The entrance test will be conducted based on:

Computer centre based online test (CBT) – where in candidate has to appear for the test at a designated test centre in the city provided/ preferred or allotted.

6. ONLINE COMPUTER BASED ENTRANCE TEST SCHEDULE AND ADMIT CARDS:

The online computer based entrance test BPTTh CET 2022 will be held on as per the schedule available on website.

6.1 The candidates appearing for the online computer based entrance test should, in their own interest, check their eligibility in all respect so as to avoid disappointment at any later stage. Your application for the online computer based entrance test is "PURELY PROVISIONAL" pending detailed scrutiny of your fulfilling the eligibility conditions as mentioned in the information brochure for the programme applied. In case, it is found that the candidate does not fulfill the eligibility criteria, application of such candidate is liable to be rejected at any stage of admission process or even after joining in the college. Candidates MUST have the following documents for the online computer based entrance test centre –

6.2 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.

7. TEST CENTERS FOR COMPUTER CENTRE BASED ONLINE ENTRANCE TEST

The BPTTh CET 2022 Computer centre based online Entrance test will be held in 58 centres throughout the country giving students a wide choice of test centres.

The list of cities where the Computer centre based online Entrance test are located is as below :

Sr No	City	Sr No	City	Sr No	City	Sr No	City
1	Guwahati	16	Amritsar	31	Bangalore	46	Thane
2	Patna	17	Jammu	32	Ernakulam/cochi/kochi	47	Aurangabad
3	Muzafurpur	18	Jaipur	33	Hyderabad	48	Sangli
4	Ranchi	19	Kota	34	Raipur	49	Kohlapur
5	Jamshedpur	20	Jodhpur	35	Panaji	50	Karad
6	Imphal	21	Allahabad	36	Ahmedabad	51	Nasik
7	Bhubaneswar	22	Lucknow	37	Baroda	52	Pune
8	Kolkata	23	Varanasi	38	Surat	53	Jalgaon
9	Chandigarh	24	Meerut	39	Rajkot	54	Akola
10	Ghaziabad	25	Bareilly	40	Indore	55	Ahmednagar
11	Faridabad	26	Gorakhpur	41	Bhopal	56	Latur
12	New Delhi	27	Kanpur	42	Jabalpur	57	Solapur
13	Rohtak	28	Agra	43	Amrawati	58	Srinagar
14	Karnal	29	Noida	44	Nagpur		
15	Shimla	30	Dehradun	45	Mumbai		

*Note: If the candidates count for a centre is less than 25, then the candidate will be allocated to the nearest available centre. NO REQUEST FOR CHANGE IN EXAMINATION CENTRE WILL BE CONSIDERED UNDER ANY CIRCUMSTANCES.

7.1 The candidates must also bring along the admit card. Candidate shall appear for the entrance test at the computer centre as shown on their admit cards.

- 7.2 To attend the entrance test at the computer centre, candidates must compulsorily bring their valid admit card and any one of the valid authorized photo ID (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 shown on the Admit card. Candidate reporting to Computer centre without the above said requisite documents shall not be allowed to appear for the Computer centre based online Entrance test.
- 7.3 Candidates have the option of selecting their city to appear for the Computer centre based online Entrance test during filling up of online application form.
- 7.4 Candidates are advised to familiarize themselves with the route and location of the Computer centre to appear for the Entrance test.
- 7.5 Possession and use of electronic devices such as Mobile Phone, Micro Phone or any other Associated Accessories, Calculator, Log Tables, Pager, Digital Diary Books etc are strictly prohibited in the Examination Hall. If any candidate is found in possession of any these devices/ documents his/her candidature is liable to be cancelled. As such the candidates should not bring Mobile Phone/ Micro Phone etc at the Computer centre based online Entrance test. BHARATI VIDYAPEETH & EXAM CENTER will not be responsible for its safe custody.
- 7.6 The authorities of Bharati Vidyapeeth (Deemed to be University) however reserve the right to make suitable changes in the test venue or schedule of the Computer centre based online Entrance test.
- 7.7 Only registered candidates with valid admit card and identity card will be allowed at the examination center
- 7.8 The candidates must reach the test centre at least one and half hour prior to the commencement of test on the day of the Computer centre based online Entrance test.

8. ENTRANCE TEST FEE:

- 8.1 Entrance test fee: Rs 1,500 /-
- 8.2 The computer based online entrance test fee shall be paid through payment gateway using internet banking mode or through debit/credit card. Service charges and other taxes for transaction as applicable by bank has to be paid by the applicant.
- 8.3 The computer based online entrance test fee, once paid, will not be refunded under any circumstances. Candidates who remain absent for the computer based online entrance test will forfeit their computer based online entrance test fee.

9. APPLICATION PROCEDURE:

A candidate desirous of appearing for the BPTTh CET 2022 is required to complete and submit the prescribed application form, online 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 online application form. The candidate should take a print of payment receipt and completed online 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.)

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@bharativedyapeeth.edu

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

***Note: NO REQUEST FOR CHANGE IN EXAMINATION DATE AND EXAMINATION CENTRE WILL BE CONSIDERED UNDER ANY CIRCUMSTANCES.**

The university will not be responsible if the candidate has filled in and submitted an application for a different test from the one intended to appear. In such cases the university will not refund the entrance test fees. For any queries please mail us at email: cet@bharativedyapeeth.edu

10. INSTRUCTIONS REGARDING COMPUTER CENTRE BASED ONLINE ENTRANCE TEST.

About Question Paper:

- 1) All questions are compulsory. for each question, four alternatives answers have been provided out of which only one answer is correct.
- 2) Only one question will be displayed on the computer screen at a time.
- 3) There is one mark for each question which will be displayed at the top right hand corner of each question.
- 4) There is no negative marking.
- 5) The question paper will appear in English language.
- 6) Candidates can attempt question in any sequence by clicking on the question number in the Section wise Summary Report reflecting on the left hand side of the screen.
- 7) The exam screen will continuously display the remaining time at the top right hand corner of the question paper.
- 8) The candidates may ask the Invigilator their doubts or questions before the commencement of test. No queries shall be entertained after the commencement of the examination.
- 9) Additional rough Sheet (if required) shall be provided to the candidates for rough work during the test. All the rough sheets need to be returned to the Invigilator before leaving the test venue.

About Answering Questions:

- 1) In order to answer a question, you have to 'Click' the option you think is appropriate/ correct. The alternative which has been clicked on will be highlighted and shall be treated as the answer given by you for the question.

- 2) If you do not wish to attempt the question then you should not click on any option for that question and may click `Next'.
- 3) You can `Bookmark' questions to review before submitting.
- 4) You can navigate between questions either by clicking on `Previous/Next' or by directly clicking on the question numbers which are displayed as attempted/ unattempted /book marked in the Section wise Summary Report.

About Preview and Submission:

- 1) The answers are saved whenever the candidate navigates e.g. by clicking on Next/ Previous button or by clicking on other question number.
- 2) The candidates can make changes in their choice of alternative only before the paper is auto submitted.
- 3) Candidate can switch to any of the question by clicking on summary panel shown at the left hand side of the screen.
- 4) After the expiry of the test time, the candidates will not be able to attempt any question or check their answers. The answers of the candidate would be saved and submitted automatically by the computer system.
- 5) A "Thank you" message will appear confirming the completion and submission of the examination.

Candidates can be debarred/ disqualified by the Chief Proctor of the Exam Centre for any of the following reasons:

1. Creating a disturbance.
2. Impersonation - Attempting to take the examination for someone else.
3. Giving or receiving assistance of any kind during the examination and communication in any form between candidates or with outsiders.
4. Smoking or eating in the Examination Hall.
5. Attempting to tamper with the operation of the computer or meddling with system.
6. Exchanging any papers, documents or any other material with other candidates.
7. Leaving the test centre without the permission from the invigilator.
8. Using prohibited aids, items not allowed, such as:
 - o Stationary items including Pens, Pencils, Scales, Papers, Books, Notebooks, Calculators, Watch calculators, etc.
 - o Mobile phones, Pagers, Health bands, Watches, any other electronic gadgets etc
 - o Jewellery including Earrings, Finger rings, Metal Bangles, Pendants, Nose pins, Chains, Necklace etc
 - o Shoes & socks, Wallets, Sunglasses, Jackets etc are not allowed. Candidates will be asked to remove their Jackets, Footwear before entering the Test Hall.
9. Attempting to copy examination questions and /or examination responses (in any format) from the examination centre.
10. Attempting to access any unauthorized software/program during the examination.
11. Failing to follow invigilators directions.
12. Manhandling of invigilators or test centre staff.
13. Resorting to unfair means or trying to influence in any way for examination results shall be considered as a serious offence and any candidate found guilty of such offence on the report of any

person duly authorized in conduct of the examination, shall be liable to have his/her name removed from the list of candidates entered for the Examination and may also be further dealt with in such manner as the examination authority may deem fit.

14. Candidates shall maintain silence while appearing for the exam. Any conversation or gesticulating or disturbance or attempt to change seats/question paper in the Examination Hall shall be deemed as unfair means.
15. If a candidate is found indulging in unfair means or impersonation, the candidature of such candidate shall be cancelled. The candidate shall be expelled from the examination by the Test Centre Administrator and such matter shall be reported to concerned authorities for appropriate action.
16. The Test Centre Administrator at the Exam Centre is authorized to debar the candidate/s from the examination centre for any misconduct.
17. A mock test will be available on the bvuniversity.edu.in website for practice for all candidates who have been issued Admit Cards for the exam.

11. DECLARATION OF RESULT:

A separate merit list will be declared for candidates registered for Bachelor's of Physiotherapy course based on the computer based online entrance test (based on 200 marks), it will be declared as per the dates mentioned at Important Dates page(after front page). The combined merit list for all the Colleges together will be declared. Separate merit list will be prepared for Regular category and Foreign/NRI/PIO/OCI/ Institutional Quota Merit Category.

The merit list of computer based online entrance test will be declared and displayed at website www.bvuniversity.edu.in

It is not possible to send individual invitation for counselling to the candidates. It shall be the responsibility of the individual candidate to see their own merit number and appear for the counselling at the centre of his/her choice as per the dates mentioned at Important Dates page(after front page).

12. COUNSELLING AND SPOT ADMISSIONS:

12.1 The counselling schedule will be held as per the dates mentioned at Important Dates page(after front page):

The candidate must report for counselling at 10.00 a.m. only, on the date of the counselling at the respective centers.

FAILURE TO REPORT FOR COUNSELLING ON THE SCHEDULED DATE AND TIME WILL RESULT IN INSTANTANEOUS CANCELLATION OF A CLAIM OF THE CANDIDATE TO THE SEAT.

The candidate must note that appearance for the computer based online entrance test and inclusion of name in the merit list does not necessarily mean that he/she will get admission to the college & course. The admission will depend upon the availability of seats to the particular programme and college at the time of his counselling.

It shall be candidates responsibility to see the result computer based online entrance test and confirm their merit no. The candidate should remain present for counselling as per the schedule.

Individual counselling letters are not going to be sent. The candidate should attend counselling & on the spot admissions on their own as per the schedule given. The candidate should bring along with them proof of having appeared for the computer based online entrance test such as Admit Card or photo copy of

application form / Demand Draft etc.

The candidate will be offered a seat in the college of their choice and course as per the combined merit list prepared by Bharati Vidyapeeth (Deemed to be University), Pune for all the colleges and all the courses. The candidate will be called for counselling as per their merit number and will be offered a seat as per availability of the seat in the particular College and particular programme.

12.2 The following certificates in original along with self-attested two copies each of the same are to be submitted at the time of counselling and on the spot admission.

For Admission to BPTTh

1. For a Proof of date of Birth : SSC Certificate or School/ College Leaving Certificate or Certificate of Domicile/ Nationality Certificate
2. Statement of marks of X std examination.
3. Statement of marks of XII std examination.
4. Transfer Certificate from the Institution in which you had studied last.
5. Caste Certificate (in case of candidates of SC/ ST category)
6. Caste validity certificate issued by appropriate authority (in case of candidates of SC/ ST category)
7. Migration Certificate (for students who joined a course after 12th).
8. Conduct and Character Certificate from a responsible person.
9. Certificate of Medical Fitness. (as per Annexure III)
10. Six recent passport-size photographs with candidate's names written behind.
11. The amount of fees and hostel fees (in case you are admitted to hostel.)
12. Authority letter-whenever applicable.
13. The application should also be accompanied by a document in the form of school leaving certificate / transfer / migration / character certificate, which should include a report on behavioral pattern of applicant, so that the institution can thereafter keep an intense watch upon a student who has a negative entry in this regard.

12.3 After scrutiny of their certificates, the candidates are offered admission according to their rank and availability of seats.

13. FEE STRUCTURE for 2022-2023 only :

The fees to be paid for the first year of the Bachelor of Physiotherapy (BPTTh) programme at respective Colleges are given below –

Name of College	Regular Merit Category	Institutional Quota Merit Category	Foreign/NRI/PIO/OCI Merit Category
School of Physiotherapy, Pune	2,36,250	2,73,000	US\$ 6000
School of Physiotherapy, Sangli	1,60,000	1,90,000	US\$ 4000

*Note :The above fees are per annum. The Fees shall be revised upwards @ 5% per annum.

Mode of Payment of Fees shall be as given below

The fee is to be paid either through online mode or Bank Draft of any Nationalized bank drawn in the name of "BVDU, School of Physiotherapy," , Pune/Sangli. payable at Pune/Sangli". The details of payment through online mode will be informed.

At the time of admission a candidate has to pay library deposit. This deposit shall be refunded upon completion

of the course.

If a candidate fails to confirm admission given to him/her, the same shall stand cancelled and the resultant vacancy will be offered to the next eligible candidate from the list. However, if candidate is unable to report in person, he /she can depute a representative with an authority letter signed by the candidate (appended in this brochure) along with requisite documents under sec. 12 above and Demand Draft of fees.

There are a few seats available in the hostel which will be allotted on first come first served basis.

Those who are desirous of getting admission to the hostel will be required to pay the entire amount of rent for the year as well as the mess charges for the entire academic year at the time of admission only. The details of hostel fees will be given in counselling letter. The payment for the hostels should be made by separate Demand Draft.

The date and commencement of the programme and detailed time table will be communicated to the candidate by the respective College.

14. REFUND OF FEE:

The cancellation of admission and refund of fees will be as per the UGC guidelines issued by UGC from time to time.

15. 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 behaviour to be contrary to rules of discipline, will be liable to be expelled from the College forthwith without any notice by the Principal of the College.

If any of the statements made in the 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 wilful suppression of facts, his/ her admission will be cancelled forthwith. The fees will be forfeited and he/ she may be expelled from the College by the Principal and prosecuted, if deemed necessary.

Each of the candidates seeking admission in the College 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 statutory autonomous examination authority in India.
- D) I fully understand that the Principal of the college will have right to expel, rusticate me from the college 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 college/ university and in the undertaking given above."

16. MISCELLANEOUS:

- 16.1 The candidates are informed that the medium of instruction, for all programmes is English.
- 16.2 At the time of seeking admissions, a candidate will be provisionally admitted to the programme at the college subject to the production of the Provisional Eligibility Certificate from the University.
- 16.3 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.
- 16.4 The attention of the candidates is particularly invited to the provisions of rules regarding the eligibility of candidates for admission to the First Year Bachelor of Physiotherapy Programme. If at any stage it is found that a candidate is not eligible for admission to First Year Bachelor of Physiotherapy Programme, his/her candidature and admission even if granted provisionally will be cancelled forthwith.
- 16.5 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

Syllabus for CET

PHYSICS

CONTENTS OF CLASS XI SYLLABUS

1. Units and Measurements
 - System of units , Measurement of length , Measurement of mass , Measurement of time , Dimensions and dimensional analysis , Accuracy , Precision , and uncertainty in measurement , Errors in measurements , Significant figures , order of magnitude .
2. Mathematical Methods
 - Vector analysis : - Scalars , Vectors , Vector operations (multiplication , addition , subtraction of vectors Triangle law for vector addition , Law of parallelogram of vectors) , Resolution of vectors , Multiplication of vectors (scaler product , vector product) , Introduction of calculus .
3. Motion in Plane
 - Rectilinear motion (Displacement , path length , average velocity , average speed , instantaneous speed , acceleration , relative velocity) , Motion in two dimensions – Motion in plane(average and instantaneous velocity , acceleration . Equation of motion for object travelling in plane with uniform acceleration .relative velocity , Projectile motion) . Uniform circular motion : period , radius vector , angular speed , centripetal acceleration , conical pendulum.
4. Law of Motion
 - Aristotle's Fallacy , Newton's laws of motion , Inertial and non-inertial frame of reference . Types of forces (fundamental forces in nature , contact and non-contact forces , real and pseudo forces , conservative and non-conservative forces , concept of potential energy , work done by variable force) . Work – Energy theorem . Principle of conservation of linear momentum .Collisions(elastic and inelastic collisions, coefficient of restitution) . Impulse of force. Rotational analogue of force – moment of force or torque, couple and its torque , mechanical equilibrium , centre of mass , centre of gravity .
5. Gravitation
 - Kepler's law , Universal law of gravitation , Measurement of gravitational constant , Acceleration due to gravity , Variation in ' g ' with altitude ,depth ,latitude and shape Gravitational potential and potential energy , Escape velocity , Earth Satellite , Projection of satellite , Critical velocity ,Weightlessness in satellite , Time period of satellite , Binding energy of an orbiting satellite .
6. Mechanical Properties of Solids
 - Elastic behavior of solids , Stress and strain , Hooke's law Elastic modulus , Stress – Strain curve , Strain energy , Hardness , Friction in solids (static friction , kinetic friction , rolling friction) .
7. Thermal Properties of Matter
 - Temperature and Heat , Measurement of temperature , Absolute temperature and Ideal gas equation , Thermal expansion (linear expansion , areal expansion , volume expansion , relation between coefficients of expansion , Specific heat capacity , Colorimetry , Change of state , Heat transfer (conduction , convection , radiation) , Newton' laws of cooling.
8. Sound
 - Waves-Types of waves, Common properties of all waves, Tranverse Waves and Longitudinal waves , Mathematical expression of waves , Speed of travelling waves , Newtons Formula for velocity of sound,

Laplace's correction , Factors affecting speed of the sound , Principle of superposition of the waves , Echo, reverberation and acoustics ,Qualities of sound , Doppler effect .

9. Optics

- Nature of light, Ray Optics , Cartesian Sign convention , Reflection (Reflection from Curved mirrors ,Spherical abbreviation) Refraction , Total internal reflection and its applications , Refraction at spherical surface and lenses (Refraction at single spherical surface, Lens maker's equation), Dispersion of light and prism (Prism formula , deviation of light through thin prism , angular dispersion , dispersive power), Natural phenomena due to sunlight , Defects of lenses (Chromatic abbreviation , Spherical abbreviation), Optical instruments – Magnifying power of simple microscope , compound microscope , telescope .

10. Electrostatics

- Electric charges , basic properties of the electric charges , Coulomb's law , Principle of superposition , Electric field , Electric lines of force , Electric flux , Gauss Law , Electric dipole (Couple acting on the electric dipole in the uniform electric field , Electric intensity at a point due to electric dipole) , Continuous charge distribution .

11. Electric Current through conductors

- Electric current , Flow of the current through the conductor , Drift Speed , Ohm's Law , Electrical energy and power , Registers Rheostat , Combination of the registers , Specific Resistance (Resistivity) , Variation of the resistance with the temperature , Electromotive force , Cell's in series , Cell's in parallel , Types of cells .

12. Magnetism

- Magnetic lines of force and magnetic field , Bar magnet(Magnetic field due to bar magnet at a point along its axis and along it's equator , Magnetic field due to bar magnet at an arbitrary point) , Gauss law of magnetism , Earth's magnetism.

13 AC Circuits

- AC generator, Average and RMS values, Phasors, Different types of AC circuits: - AC voltage applied to resistor, AC voltage applied to an inductor, AC voltage applied to capacitor, AC circuit containing resistance, inductance, capacitance in series (LCR circuit), Power in AC circuit, LC oscillations, Electric resonance, Q-Factor, Choke coil.

14. Dual Nature of Radiation and Matter

- Photoelectric effect, (Experiment and its observations), Failure of wave theory to explain observations from experiments on photoelectric effect, Einstein's postulate of quantization of energy and photoelectric equation, Wave-particle Duality of electromagnetic radiation, Photo Cell, De Broglie Hypothesis, Davisson an Germer experiment, Wave-particle Duality of matter.

15. Structure of Atoms and Nuclie

- Geiger – Marsden experiment , Rutherford's atomic model , Atomic spectra , Bohr's atomic model , Expressions for radius of orbit , energy of electron ,Bohr formula , De Broglie's explanation , Atomic nucleus , nuclear forces , Nuclear binding energy , Radioactive decays , Law of radioactive decay , Half life of radioactive material , Average life of radioactive species , Nuclear energy (Nuclear fission , Nuclear fusion).

16. Semiconductor Devices

- P-N junction diode as a rectifier , Filter circuits , Special purpose junction diodes : - Zener diode , Photo diode , Solar cell , Light emitting diode (LED), Bipolar junction transistor , Transistor configuration , Transistor as an amplifier , Logic gates .

17. Electromagnetic Induction

- Faraday's experiment in connection with generation of electric current , Faraday's laws of electromagnetic induction , Lenz's law and its applications , Flux of field , Motional electromotive force , Induced emf in stationary coil in a changing magnetic field , Generators , Back emf and back torque , Induction and energy transfer , Eddy currents , Self- inductance , Energy stored in magnetic field , Energy density of magnetic field , Mutual inductance , Transformer .

18. AC Circuits

- AC generator, Average and RMS values, Phasors, Different types of AC circuits: - AC voltage applied to resistor, AC voltage applied to an inductor, AC voltage applied to capacitor, AC circuit containing resistance, inductance, capacitance in series (LCR circuit), Power in AC circuit, LC oscillations, Electric resonance,

Q- Factor, Choke coil.

19. Dual Nature of Radiation and Matter

- Photoelectric effect, (Experiment and its observations), Failure of wave theory to explain observations from experiments on photoelectric effect, Einstein's postulate of quantization of energy and photoelectric equation, Wave-particle Duality of electromagnetic radiation, Photo Cell, De Broglie Hypothesis, Davisson and Germer experiment, Wave-particle Duality of matter.

20. Structure of Atoms and Nuclei

- Geiger – Marsden experiment , Rutherford's atomic model , Atomic spectra , Bohr's atomic model , Expressions for radius of orbit , energy of electron , Bohr formula , De Broglie's explanation , Atomic nucleus , nuclear forces , Nuclear binding energy , Radioactive decays , Law of radioactive decay , Half life of radioactive material , Average life of radioactive species , Nuclear energy (Nuclear fission , Nuclear fusion).

21. Semiconductor Devices

- P-N junction diode as a rectifier , Filter circuits , Special purpose junction diodes : - Zener diode , Photo diode , Solar cell , Light emitting diode (LED), Bipolar junction transistor , Transistor configuration , Transistor as an amplifier , Logic gates .

CONTENTS OF CLASS XII SYLLABUS

1. Rotational Dynamics

- Circular motion: Kinematics of circular motion ,Dynamics of circular motion (Centripetal force ,Centrifugal force) Applications of UCM: Vehicle along horizontal circular track, Vehicle on banked road, Conical pendulum : Period of revolution of bob , Frequency of revolution. Vertical circular motion.
- Moment of inertia : M.I. as an analogous quantity for mass ,Rotational K.E. , angular momentum , torque in terms of M.I. , M.I. of ring , disc , solid sphere , thin uniform rod , circular cone , uniform plate , uniform spherical shell , radius of gyration , Theorem of parallel axes and perpendicular axes , conservation of angular momentum , Rolling motion : Linear acceleration and speed while pure rolling down an inclined plane.

2. Mechanical Properties Of Fluids

- Fluid – Properties of fluid , Pressure : Pressure due to liquid column , Absolute pressure and Gauge pressure , Hydrostatic paradox , Pascal’s Law , Applications of Pascal’s Law , Measurement of pressure (mercury barometer , open tube manometer). Surface Tension , Surface energy , Relation between S.T. and surface energy , Angle of contact , Effect of impurity and temperature on S.T. Excess pressure across free surface of liquid , Formation of drop and bubble. Capillary action Expression for capillary rise . Fluids in motion , Critical velocity and Reynold number , viscosity , Stokes’ law , Equation of continuity , Bernoulli equation and its applications.

3. Kinetic Theory Of Gases And Radiation

- Behaviour of gas , Ideal gas and real gas , Mean free path , Pressure of ideal gas , Interpretation of temperature in kinetic theory , Law of equipartition of energy , Degrees of freedom , Specific heat capacity (Mayer’s relation) , Absorption , reflection , and transmission of heat radiation ,Perfect black body (Ferry’s black body). Emission of heat radiation . Kirchhoff’s law of heat radiation and its theoretical proof. Spectral distribution of black body radiation. Wien’s displacement law , Stefan-Boltzmann law of radiation.

4. Thermodynamics

- Thermal equilibrium ,Zeroth law of thermodynamics , Heat , Internal Energy , Work . First law of thermodynamics (work and heat related), Thermodynamic state variables , Thermodynamic process , Classification of thermodynamic processes (Reversible and Irreversible process) , Assumptions of thermodynamic process. Thermodynamics of isothermal process , Isobaric process , Isochoric process , Adiabatic process, Cyclic process , Free expansion. Heat Engine , Heat engine cycle and P- V diagram , Refrigerators and heat pumps . Second law of thermodynamics , Carnot cycle and Carnot engine , Carnot refrigerator , Second law of thermodynamics and Carnot cycle , Sterling cycle .

5. Oscillations

- Periodic motion , Linear S.H.M. , Differential equation of S.H.M. , Acceleration , velocity and displacement of S.H.M. and their expressions , Amplitude , period and frequency of S.H.M., Reference circle method , Phase in S.H.M., Graphical representation of S.H.M. , Composition of two S.H.M. s having same period and along the same path , Energy of particle performing S.H.M., Simple pendulum , Second’s pendulum , Angular S.H.M. and its differential equation , Magnet vibrating in uniform magnetic field , Damped oscillations , Free oscillations , Forced oscillations and resonance .

6. Superposition of waves

- Progressive wave , Reflection of waves , Superposition of waves , Stationary waves , Properties of stationary waves , Free and Forced vibrations , Harmonics and Overtones :- Vibrations of air column in pipe closed at one end and in pipe open at both ends , Vibrations produced in string , Laws of vibrating string , Sonometer(verification of first , second and third law of vibrating string) , Beats (analytical method to determine beat frequency) , Applications of beats , Characteristics of sound (loudness , pitch , quality or timbre) , Musical instruments.

7. Wave Optics

- Nature of light:- Corpuscular nature , wave nature , dual nature of light . Huygens' wave theory , Huygens' principle , Reflection of light at plane surface , Refraction of light at plane boundary between two media , Dependence of wavelength on refractive index of medium , Polarization , Brewster's Law(polarization by reflection) , polarization by scattering , Interference : Young's double slit experiment , Conditions for steady interference , Method for obtaining coherent sources Optical path , Diffraction of light : Fresnel and Fraunhofer diffraction , Fraunhofer diffraction at a single slit , Double slit diffraction pattern , Resolving power – Rayleigh's Criterion for resolving power , Resolving power of microscope , Resolving power of telescope .

8. Electrostatics

- Applications of Gauss' Law , Electric potential and potential energy , Electric potential due to point charge , electric dipole and system of charges , Equipotential surfaces , Electrical energy of two point charges and of a dipole 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 parallel , Capacitance of parallel plate capacitor with and without dielectric medium between the plates .Displacement current , Energy stored in capacitor , Van de Graaff Generator .

9. Current Electricity

- Kirchhoff's Laws of Electrical Network , Wheatstone Bridge , Application of Wheatstone bridge :- Metre bridge , Kelvin's method , Post office box . Potentiometer:- Use of potentiometer (Compare emf of cells , To find internal resistance of cell) , Application of potentiometer(Voltage divider , Audio control, potentiometer as a sensor) , Advantages of potentiometer over voltmeter , Galvanometer :- Galvanometer as an ammeter , Galvanometer as a voltmeter .

10. Magnetic Field due to Electric Current

- Magnetic force , Cyclotron motion , Cyclotron accelerator, Helical motion , Magnetic force on wire carrying current – 1) Straight wire 2) Arbitrarily shaped wire. Force on a closed circuit in a magnetic field , Torque on current loop , Moving coil galvanometer , Magnetic dipole moment , Magnetic potential energy of dipole , Magnetic field due to current (Biot – Savart law), Force of attraction between two long parallel wires , Magnetic field produced by current in circular arc of wire, Axial magnetic field produced by current in circular loop , Magnetic lines for current loop , Ampere's Law , Magnetic field of Solenoid and Toroid .

11. Magnetic Materials

- Torque acting on a magnetic dipole in uniform magnetic field , Location of magnetic poles of current carrying loop, Origin of magnetism in materials , Magnetization and Magnetic intensity , Magnetic properties of materials, Hysteresis , Permanent magnet and electromagnet , Magnetic shielding .

12. Electromagnetic Induction

- Faraday's experiment in connection with generation of electric current , Faraday's laws of electromagnetic induction , Lenz's law and its applications , Flux of field , Motional electromotive force , Induced emf in stationary coil in a changing magnetic field , Generators , Back emf and back torque , Induction and energy transfer , Eddy currents , Self- inductance , Energy stored in magnetic field , Energy density of magnetic field , Mutual inductance , Transformer .

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- AC generator, Average and RMS values, Phasors, Different types of AC circuits: - AC voltage applied to resistor, AC voltage applied to an inductor, AC voltage applied to capacitor, AC circuit containing resistance, inductance, capacitance in series (LCR circuit), Power in AC circuit, LC oscillations, Electric resonance,
Q- Factor, Choke coil.

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15. Structure of Atoms and Nuclie

- Geiger – Marsden experiment , Rutherford's atomic model , Atomic spectra , Bohr's atomic model , Expressions for radius of orbit , energy of electron ,Bohr formula , De Broglie's explanation , Atomic nucleus , nuclear forces , Nuclear binding energy , Radioactive decays , Law of radioactive decay , Half life of radioactive material , Average life of radioactive species , Nuclear energy (Nuclear fission , Nuclear fusion).

16. Semiconductor Devices

- P-N junction diode as a rectifier , Filter circuits , Special purpose junction diodes : - Zener diode , Photo diode , Solar cell , Light emitting diode (LED), Bipolar junction transistor , Transistor configuration , Transistor as an amplifier , Logic gates .

carrying loop, Origin of magnetism in materials , Magnetization and Magnetic intensity , Magnetic properties of materials, Hysteresis , Permanent magnet and electromagnet , Magnetic shielding .

CHEMISTRY

CONTENTS OF CLASS XI SYLLABUS

1. Some basic Concepts of chemistry
 - Nature of chemistry, Properties of matter and their measurement ,laws of chemical combination ,Dalton's Atomic Theory, Atomic and molecular masses, mole concept and molar mass
2. Introduction to analytical chemistry
 - Importance of analytical chemistry, analysis, mathematical operation and error analysis,determination molecular formula, chemical reactions and stoichiometric calculations, limiting reagent, concentration of solution ,use of graph in analysis
3. Basic Analytical Techniques
 - Purification of solids, Distillation , solvent extraction , chromatographic techniques,
4. Structure of Atom
 - Subatomic particles, Atomic number ,atomic mass number, Isotopes, Isobars, Isotones, Drawbacks of Rutherford atomic model, Developments leading to Bhor's atomic model, Bhor's model for hydrogen atom, Quantum mechanical model of atom,
5. Chemical Bonding
 - Kossel and Lewis approach to chemical bonding, Steps to write Lewis dot structures, Formal charge, Valence shell electron pair repulsion theory, Valence bond theory,Hybridization, Molecular orbital theory, Parameters of covalent bond, Dipole moment, resonance
6. Redox Reactions
 - Classical ideas of redox reactions, Oxidation number, Balancing of redox reactions, Redox reaction and Electrode potential,
7. Modern Periodic Table
 - Introduction, Structure of modern periodic table, Periodic table and electronic configuration, Blockwise characteristics of elements, Periodic trends in elemental properties
8. Element of Group 1 and Group 2
 - Hydrogen : Occurrence, Position, Isotopes of Hydrogen, Prepration, Properties, Uses. Alkali metals and element of group 2, Some important compounds of element of S Blocks
9. Elements of groups 13,14,15
 - Introduction, Electronic configuration of elements of groups 13,14,15, Chemical properties of elements of groups 13,14,15, Catenation, Allotropy, Molecular structure of some important compounds of groups 13,14,15 elements, Chemistry of notable compounds of elements of group 13,14,15
10. States of Matter: Gaseous and Liquid States
 - Introduction, Intermolecular forces, Characteristic properties of gases, Gas Laws, Ideal gas equations, Kinetic molecular theory of gases, Deviation from ideal behavior, Liquefaction of gases and critical constant, Liquid state

11. Adsorption and Colloids

- Adsorption, Types of adsorption, Factors affecting adsorption of gases on solids, Adsorption isotherm, Applications of adsorption, Catalysis, Adsorption theory of heterogeneous catalysis, Colloids

12. Chemical Equilibrium

- Reversible reactions, Equilibrium in physical processes, Equilibrium in chemical process, Law of mass action and equilibrium constant, Homogeneous and Heterogeneous equilibria, Characteristics of equilibrium constant, Application of equilibrium constant, Le Chatelier's Principle, Industrial application

13. Nuclear chemistry and Radioactivity

- Similarity between solar system and structure of atom, Classification of nuclides, Nuclear stability, Radioactivity, Radioactive decay, Modes of decay, Nuclear reactions, Applications of radio isotopes

14. Basic principles of Organic Chemistry

- Structural representation of organic molecules, Classification of organic compounds, Nomenclature of organic compounds, Isomerism, Theoretical basis of organic reactions

15. Hydrocarbons

- Alkanes: Isomerism, Conformation, preparation, Physical properties, chemical properties, uses. Alkenes: Isomerism, preparation, physical properties, chemical properties, uses. Alkynes: Isomerism, preparation, physical properties, chemical properties, uses. Aromatic Hydrocarbons (Benzene): Structure, Preparation, physical properties, chemical properties. Huckel Rule, Directive influence of a functional group in monosubstituted benzene, Carcinogenicity and Toxicity

16. Chemistry in Everyday Life

- Basics of food chemistry, Compounds with Medicinal properties, Cleansing agents.

CONTENTS OF CLASS XII SYLLABUS

1. Solid State

- Types of solids, Classification of crystalline solids, Crystal structure, Cubic system, Packing of particles in crystal lattice, Packing efficiency, Crystal defects, Electrical properties of solids, Magnetic properties of solids

2. Solutions

- Types of solutions, Capacity of solution to dissolve solute, Solubility, Vapour pressure of solutions of liquids in liquids, Colligative properties of non electrolyte solutions, Vapour pressure lowering, Boiling point elevation, Depression in freezing point, Osmotic pressure, Colligative properties of electrolytes

3. Ionic Equilibria

- Types of electrolyte, Acids and Bases, Ionisation of acids and bases, Autoionisation of water, pH scale, Hydrolysis of salts, Buffer solutions, Solubility product, Common ion effect

4. Chemical Thermodynamics

- Introduction, Terms used in Thermodynamics, Nature of heat and work, Expression for pressure-volume work, Concept of maximum work, Internal energy, First law of Thermodynamics, Enthalpy, Enthalpies of physical transformations, Thermochemistry, Spontaneous process.

5. Electrochemistry

- Introduction, Electric conduction, Electrical conductance of solutions, Electrochemical cells, Electrolytic cell, Galvanic cell, Electrode potential and cell potential, Thermodynamics of galvanic cell, Galvanic cells useful in day to day life, Fuel cell, Electrochemical series.

6. Chemical kinetics

- Rate of reactions, Rate of reaction and reactant concentration, Molecularity of elementary reactions, Integrated Rate law, Collision theory of bimolecular reactions, Temperature dependence of reaction rates, Effects of catalyst on rate of reaction.

7. Elements of groups 16,17,18

- Occurrence, Electronic configuration, Atomic and physical properties, Anomalous behavior of oxygen and fluorine, Chemical properties, Oxoacids, Oxygen and compounds of oxygen, Compound of sulphur, Chlorine and compounds of chlorine, Interhalogen compounds, Compounds of Xenon.

8. Transition and Innertransition Elements

- General introduction, Position in periodic table, Electronic configuration, Trends in atomic properties of first transition series, Compounds of Mn and Cr(KMnO₄ and K₂Cr₂O₇), Common properties of d block elements, Metallurgy, Properties of f block elements

9. Coordination compounds

- Introduction, Types of ligands, Terms used in coordination chemistry, classification of complexes, IUPAC nomenclature of coordination compounds, Effective atomic number rule, Isomerism in coordination compounds, Stability of coordination compounds, Theories of bonding in complexes, Application of coordination compounds.

10. Halogen derivatives

- Classification of halogen derivatives, Nomenclature, Methods of preparation of alkyl halides, Physical properties, Optical isomerism in halogen derivatives, Chemical properties, Uses and environmental effects of some polyhalogen compounds.

11. Alcohols, Phenols and Ethers

- Classification, Nomenclature, Methods of preparation, Physical properties, Chemical properties, Uses

12. Aldehydes, Ketones, Carboxylic Acids

- Classification, Nomenclature, Methods of preparation, Physical properties, Chemical properties

13. Amines

- Classification, Nomenclature, Methods of preparation, Physical properties, Chemical properties

14. Biomolecules

- Carbohydrates: Classifications, Nomenclature of monosaccharides, Preparation of Glucose, Structure and properties of Glucose. Proteins: alpha amino acids, Types of proteins, Structure of proteins, Denaturation of Proteins. Enzymes: Mechanism of enzyme catalysis. Nucleic acids.

15. Introduction to Polymer Chemistry

- Classification of polymers, Some important polymer, Molecular mass and degree of polymerization of polymer, Biodegradable Polymers, Commercially important polymers.

16. Green Chemistry and Nanochemistry

- Introduction, Sustainable development, Principle of green chemistry, Roll of Green chemistry, Introduction to nanochemistry, Characteristic features of nanoparticles, synthesis of nanomaterial, History of nanotechnology, Application of nanomaterials, Nanoparticles and nanotechnology.

BIOLOGY

CONTENTS OF CLASS XI SYLLABUS

1. Living World
 - Basic Principles of Life, Herbarium, Botanical Gardens, Museum, Zoological Parks, Biodiversity Parks, Key
2. Systematics of Living Organisms
 - Classification, Three domains of life, Chemotaxonomy, Numerical Taxonomy, Cladogram, Phylogeny, DNA Bar coding, Taxonomic Categories, Taxonomic Hierarchy, Units of Classification, Nomenclature, Salient Features of Five Kingdoms, Acellular Organisms (Viruses, Viroids, Lichens)
3. Kingdom Plantae
 - Kingdom Plantae Classification, Salient features of major plant groups under Cryptogams and Phanerogams, Plant life cycle and Alternation of generations
4. Kingdom Animalia
 - Criterion used for animal classification, Animal body plan, Animal Classification and Phylums
5. Cell structure and organization
 - Cell, Kinds of Cells, Prokaryotic cells, Eucaryotic cell and its components
6. Biomolecules
 - Carbohydrates, Lipids, Proteins, Nucleic acids and their significance, Enzymes and their properties, Nomenclature, Mechanism of Enzyme action. Concept of metabolism
7. Cell Division
 - Cell Cycle, Types of Cell Division-Amitosis, Mitosis, Meiosis and their significance
8. Plant Tissue and Anatomy
 - Tissue, Meristematic tissue, Simple and Permanent Tissues, Tissue Systems, Secondary growth in plants, Wood, Cork cambium and secondary growth, Anatomy of Dicot and Monocot, root stem and leaf
9. Morphology of Flowering Plants
 - Classification of Flowering plants, Root, Stem, Leaf their structure and modifications, Inflorescence, Structure of Flower, Placentation, Fruit and Seed. Study of some important families : Fabaceae and Solanaceae
10. Animal Tissues
 - Histology and Types : Epithelial, Connective, Muscular and Nervous Tissue
11. Study of Animal Type-Cockroach
 - Habit and habitat, Systematic Position, External morphology, Body Cavity, Digestive System of cockroach, Circulatory or Blood vascular system, Respiratory System, Nervous System, Reproductive system, Interactions with mankind
12. Photosynthesis
 - Meaning, Chloroplasts, Nature of Light, Mechanism of Photosynthesis, Light Reaction,

Photophosphorylation, Dark reaction, Photorespiration, C₄Pathway, Crassulacean Acid Metablism, Factors affecting Photosynthesis, Significance

13. Respiration and Energy Transfer

- Formation of ATP, Anaerobic respiration, Glycolysis, Aerobic respiration, Krebs Cycle, ETS, Significance

14. Human Nutrition

- Meaning, Human Digestive System, Digestive glands, Physiology of Digestion, Absorption assimilation and egestion, Nutritional disorders and disorders of digestive system

15. Excretion and Osmoregulation

- Excretion and excretory products, Two Major types of Nephridia, Excretory system in Human being, Physiology of Urine formation, Composition of Urine, Role of skin in excretion, Disorders and Diseases, Dialysis

16. Skeleton and Movements

- Movements and Locomotion, Location ,structure and working of Skeletal muscles, Structure of myosin and actin filaments, mechanism of muscle contraction, Physiology of muscle relaxation, Properties of muscles on electrical stimulation, Skeletal System, Group of Skeleton : Axial and Appendicular Skeleton, Types of Joints, Disorders related to muscles and bones

CONTENTS OF CLASS XII SYLLABUS

1. Reproduction in Lower and Higher Plants

- Asexual Reproduction, Sexual Reproduction, Microsporogenesis, Structure of Ovule, Megasporogenesis, Polynation, Outbreeding devices, Double Fertilization, Post fertilization changes, Apomixis Parthenocarpy

2. Reproduction in Lower and Higher Animals

- Asexual Reproduction, Sexual Reproduction, Human Reproductive Systems, Puberty, Menstrual Cycle, Gametogenesis: Spermatogenesis, Oogenesis, Fertilization, Embryonic Development, Placenta, Parturition, Lactation, Birth Control Methods, Amniocentesis, Sexually Transmitted Diseases (STD), Infertility and Treatment, Adoption

3. Inheritance and Variation

- Chromosomes and Mechanism of Inheritance, Genetic Terminology, Mendel's Laws of Inheritance, Back Cross and Test Cross, Deviations, Chromosomal Theory of Inheritance, Chromosomes, Linkage and Crossing over, Autosomal Inheritance, Sex Link Inheritance and Diseases, Sex determination, Genetic Disorders

4. Molecular Basis of Inheritance

- The Discovery of DNA, The Genetic Material is a DNA, DNA Packaging, DNA Replication, Protein Synthesis, Genetic Code, Regulation of Gene Expression, Operon Concept, Genomics, Human Genome Project, DNA Fingerprinting

5. Origin and Evolution of Life

- Protobiogenesis, Chemical Evolution of Life, Organic Evolution, Darwinism, Mutation Theory, Modern Synthetic Theory of Evolution, Mechanism of Organic Evolution, Hardy-Weinberg's Principle, Adaptive Radiation, Evidences of Organic Evolution, Speciation, Geological Time Scale, Human Evolution

6. Plant Water Relation

- Properties of Water, Water absorbing Organ, Availability and absorption of water by roots from soil, Water Potential(?), Plasmolysis, Path of water across the root, Mechanism of absorption of water, Ascent of Sap, Transport of mineral ions, Transport of food, Transpiration, Structure of Stomatal apparatus, Significance of Transpiration

7. Plant Growth and Mineral Nutrition

- Meaning, Phases of Growth, Conditions for Growth, Growth Rate and Types of Growth, Growth Curve, Differentiation, De-Differentiation, Re-Differentiation, Development, Plasticity, Growth Hormones: Physiological Effects and Applications, Photoperiodism, Vernalization, Mineral Nutrition : Classification and Role of Mineral Elements in Plants, Nitrogen Cycle

8. Respiration and Circulation

- Meaning, Organs of Respiratory exchange in plants and animals, Human Respiratory System, Mechanism of Respiration, Regulation of Breathing, Common disorders of Respiratory system, Transportation in Living Organisms, Circulation in animals, Human Circulatory system : Blood and its components, Heart: External and Internal Structure, Conducting system of Heart, Mechanism of working of human heart, Blood Vessels, Blood Pressure, Heart Diseases, ECG, Lymphatic system

9. Control and Co-ordination

- Nervous Co-ordination : Nervous system in Hydra, Planaria. Neural Tissue, Synapse, Transmission of nerve impulse. Human Nervous System: Central Nervous System (CNS), Peripheral Nervous System(PNS), Autonomous Nervous System(ANS). Sensory Receptors, Eye, Ear, Disorders of Nervous System, Chemical Co-ordination, Endocrine System: Hormones, Properties, Mechanism of Hormone Action. Major Endocrine Glands, Hormones, Mode of Action, Disorders

10. Human Health and Diseases

- Immunity and its types, Cells of Immune System, Vaccination, Structure of Antibody, Formation of antigen-antibody complex, ABO blood groups and Rh factor, Common Human Diseases: Mode of Transmission, Symptoms, Diagnosis and Treatment, Prevention and Control, Adolescence, Mental Health and Adolescence, Addiction, Drug Abuse, Effects of Drugs, Prevention and Control

11. Enhancement of Food Production

- Improvement in Food Production, Plant Breeding, Tissue Culture, Single Cell Protein (SCP), Biofortification, Animal Husbandry: Management of Farm and Farm Animals, Dairy Farm Management, Poultry Farm Management, Apiculture or Bee Keeping, Fishery, Lac Culture. Microbes in Human Welfare: Microbes in Food Production, Role of Microbes in Industrial Production, Microbes in Sewage Treatment, Microbes in Energy Generation, Role of microbes as biocontrol agents and biofertilizers

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. Provisional allotment letter
2. BPTTh CET Admit Card
3. BPTTh CET Mark sheet/Score Card
4. Online Downloaded Application Form
5. Aadhar Card
6. I/D Proof (Driving License /Pan Card/ Passport)
7. Statement of 10th Mark sheet
8. Class 10th board Passing certificate
9. Statement of 10+2 Mark sheet
10. Class 10+2 board Passing certificate
11. Medical fitness certificate.
12. Proof of Nationality of India: - Passport / Domicile / Nationality Certificate
13. Migration certificate (Wherever Applicable)
14. Transfer Certificate/Leaving Certificate
15. Caste & Validity Certificate (Wherever Applicable)
16. Gap certificate (Wherever Applicable)
17. Conduct & Character Certificate
18. Affidavit for Anti-Ragging by Students & Parents –Online
19. Recent passport size colour photographs 8 (Eight) copies
20. NRI Documents to verify NRI status (wherever applicable)
21. Physically Handicapped certificate (wherever applicable)
22. Oracle (Student Database Software) Registration
23. Demand Draft Should be made in favour of "The Registrar, Bharati Vidyapeeth (Deemed to be University), Pune - 411030.

AUTHORIZATION FOR REPRESENTATIVE

I,, son /daughter of
, being unable to attend the counseling session for admission
 to the BPTTh CET 2022 course at Bharati Vidyapeeth (Deemed to be University) on hereby
 authorize son/daughter of

whose photograph is affixed below and who will sign as shown below, to represent me at the counseling and on-the-spot-admission. I hereby declare that the choice of course made by this authorised representative will be irrevocable and that it will be final and binding on me. This authorised 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 CAPITAL LETTERS)

Seat No. BPTTh CET 2022 : _____

Place: _____

Date: _____

Reason for absence: _____

Specimen signature of the Representative

Signature of the Candidate

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

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

Annexure - III

Medical Fitness

A candidate must be medically fit to undergo the professional course applied for. The medical fitness must be certified by a Registered Medical Practitioner in the prescribed proforma, as given below on a Letterhead :

Certificate of medical fitness

This is to certify that I have conducted clinical examination of

Mr./Ms.

who is desirous of admission to Health Sciences courses.

He/She has not given any personal history of any disease incapacitating him/her to undergo the professional course. Also, on clinical examination it has been found that he/she is medically fit to undergo the professional course.

Certified further, that he/she has not shown any evidence of major defects of posture, locomotion, vision, hearing or any other systemic disorder.

Though, following deviations have been revealed, in my opinion, these are not impediments to pursue a career in BPTTh CET 2022.

1.

2.

3.

Address of the Registered Medical Practitioner Signature :

Name :

Registration No. :

Seal of Registered Medical Practitioner

Date : / / 20

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)

Bharati Vidyapeeth, Pune

Bharati Vidyapeeth Bhavan, Lal Bahadur Shastri Marg, Pune - 411 030.
Phone : (020) 24325701, 24322279 Fax : (020) 24339121



Dr. PATANGRAO KADAM M.A., LL.B., Ph.D.

● Founder-Chancellor, Bharati Vidyapeeth & Bharati Vidyapeeth (Deemed to be University), Pune

AT A GLANCE

EDUCATIONAL CAMPUSES :

● Pune ● Navi Mumbai ● Navi Delhi ● Panchgani (Satara) ● Sangli ● Karad ● Kolhapur ● Solapur ● Jawhar ● Jat

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)

★ Accredited with 'A+' Grade (2017) by NAAC ★ ★ **Category-I** University Status by UGC ★

★ 'A' Grade University Status by MHRD, Govt. of India ★ ★ NIRF Ranking - **68** ★

● Medical College, Pune ● Dental College & Hospital, Pune ● College of Ayurved, Pune ● Homoeopathic Medical College, Pune ● College of Nursing, Pune ● Yashwantrao Mohite College of Arts, Science and Commerce, Pune ● New Law College, Pune ● Social Sciences Centre (M.S.W.), Pune ● Yashwantrao Chavan Institute of Social Science Studies & Research, Pune ● Research and Development Centre in Pharmaceutical Sciences & Applied Chemistry, Pune ● College of Physical Education, Pune ● Institute of Environment Education & Research, Pune ● College of Engineering, Pune ● Poona College of Pharmacy, Pune ● Institute of Management & Entrepreneurship Development, Pune. ● Rajiv Gandhi Institute of Information Technology & Bio-Technology, Pune ● Interactive Research School for Health Affairs, Pune. ● Medical College & Hospital, Sangli. ● Dental College & Hospital, Navi Mumbai. ● Institute of Management & Research, New Delhi; ● College of Architecture, Pune; ● Institute of Hotel Management & Catering Technology, Pune; ● Yashwantrao Mohite Institute of Management, Karad; ● Institute of Management, Kolhapur; ● Institute of Management & Rural Development Administration, Sangli. ● Abhijit Kadam Institute of Management and Social Sciences, Solapur. ● Dental College & Hospital, Sangli ● College of Nursing, Sangli ● College of Nursing, Navi Mumbai.

FACULTIES / DISCIPLINES :

● Arts ● Science ● Commerce ● Engineering ● Medicine ● Dentistry ● Management ● Pharmaceutical Science ● Ayurved ● Homoeopathic ● Nursing ● Hotel Management ● Law ● Social Sciences ● Social Work ● Architecture ● Environmental Sciences ● Physical Education ● Kala (Art) ● Agriculture ● Biotechnology

INSTITUTE BRANCHES :

● Research Institutes - 3 ● Colleges (including proposed 2) : 50 ● Technical Institutes : 8 ● Junior Colleges : 15 ● Primary Schools and High Schools (Marathi) : 40 ● Pre-Primary Schools and Primary Schools (English) : 20 ● Balvikas Mandir : 4 ● Public School : 1 ● Adivasi Vikas Ashram Shala : 1 ● I.T.I.(Girls) : 1 ● Other Sections : 17

ASSOCIATE INSTITUTIONS :

● Bharati Vidyapeeth English-Maths Exam Department ● Bharati Vidyapeeth's Bharati Printing Press ● Bharati Sahakari Bank Ltd. ● Bharati Madhyawarti Sahakari Grahak Bhandar Ltd. ● Sonhira Sahakari Sakhar Karkhana Ltd., Wangi, Kadegaon, Dist. Sangli ● Sagarshwar Sahakari Soot Girni Ltd., Kadegaon, Dist. Sangli ● Krishna Verala Sahakari Soot Girni Ltd., Kundal-Palus, ● Sou. Vijaymala Patangrao Kadam Mahila Auodyogik Sahakari Santha, Kadegaon, Dist. Sangli ● Mahatma Gandhi Hospital & Research Centre ● Bharati Vidyapeeth Medical Foundation ● Bharati Hospital & Research Centre ● Eye Bank ● Mobile Health Care Unit & Ambulance ● Foundation for Rural Development ● Bharati Vidyapeeth Krida Pratishthan ● Bharati Vidyapeeth Kala Academy ● Sonhira Milk Producers and Allied Agro Co-op. Soc. Ltd., Kadegaon ● Sonhira Co-op. Poultry Society Ltd., Kadegaon, Dist. Sangli



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