

| Program name | Program code | Name of the Course that include experiential learning through project work/field work/internship | Course code | Year of offering | Name of the student studied course on experiential learning through project work/field work/internship | Link to the relevant document |
|-----------------------------|------------------------------------|--|-------------|------------------|--|--|
| B. Pharmacy | BP000 | Practice school | BP706 PS | 2021-2022 | Karishma Jagdishprasad Agrawal + | https://www.ybccpa.ac.in/uploaded_files/1.3.2 - Number of courses that include experiential learning through project work field work in ternship during the year (1).pdf |
| | | Project Work | BP813 PW | 2021-2022 | | |
| M. Pharmacy | MPH0 , MPC0 MPL0, MPQ0 | Research Methodology | S1-MPH1 | 2021-2022 | Barkale Rushikesh Sanjay + | |
| Pharmaceutics | | Research Project | S2-MPH1 | 2021-2022 | | |
| Pharmaceutical Chemistry | | Research Work Seminar | S3-MPT2 | 2021-2022 | | |
| Pharmacology | | | | | | |
| Quality Assurance Technique | | | | | | |
| M. Pharmacy | | | | | | |
| Pharmaceutics | MPH0 , MPC0 MPL0, MPQ0 | Research Work Project | S3-MPT4 | 2021-2022 | Alfiya Naaz Mirza Fazal Baig + | |
| Pharmaceutical Chemistry | | | | | | |
| Pharmacology | | | | | | |

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|-----------------------------|--|--|--|--|--|--|
| Quality Assurance Technique | | | | | | |
|-----------------------------|--|--|--|--|--|--|



Dr. Rafiq Zakaria Campus

Medicine and Educational Trust's

Y. B. CHAVAN COLLEGE OF PHARMACY

(B. Pharm, M. Pharm & Research Center)

1150, MIDC, JAMNAGAR (GUJARAT) | PHONE - 079 2551 5111, 079 2551 5112

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1.5.3 Number of students undertaking project work, field work, internship

Annual report of Industry Institute Interactions cell

(2021-22)

(Training and Placement)

1. Training in pharma. industry, community pharmacy, research laboratory and hospitals:-

| Sr. No. | Name of Organization | Number of students | Remarks |
|---------|---|--------------------|---------|
| 1 | Wockhardt Limited | 06 | |
| 2 | Adora Pharmaceuticals Ltd. | 04 | |
| 3 | Ajanta Pharmaceuticals | 07 | |
| 4 | Concept Pharmaceuticals | 03 | |
| 5 | Redcross Formulation | 04 | |
| 6 | Nagina Herbal | 01 | |
| 7 | FDC Limited | 01 | |
| 8 | Intas Pharma , Ahmedabad | 01 | |
| 9 | Intas Pharma , Ahmedabad | 02 | |
| 10 | Abbott Healthcare Pvt Ltd | 01 | |
| 11 | Veegee Products | 06 | |
| 12 | Hospital Pharmacist Training | 33 | |
| 13 | Truelixir Life Sciences Aurangabad | 01 | |
| 14 | Umedica Laboratories Pvt Ltd, Mumbai | 01 | |
| 15 | Johnson and Johnson (Ethicon) | 01 | |

| Sr. No. | Name of Organization | Number of students | Name of Students |
|---------|----------------------------|--------------------|-------------------------|
| 1 | Wockhardt Limited | 06 | Ms. Quadri Sayeda Sadaf |
| | | | Mr. Sayyed Kirmani |
| | | | Ms. Snehal Navale |
| | | | Ms Shaikh Saba |
| | | | Ms. Megha Rachmale |
| | | | Ms. Qazi Nishat |
| 2 | Adora Pharmaceuticals Ltd. | 04 | Sayed Umar S Faizuddin |
| | | | Larzi Mohsin Bin Mohd |
| | | | Ms Bharati Nikam |
| | | | Ms Dhanashri Gond |

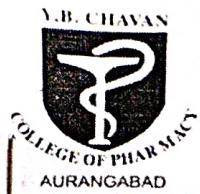
| | | | |
|----|---------------------------------|----|---------------------------------|
| 3 | Ajanta Pharmaceuticals | 7 | Mr. Paritosh Joshi |
| | | | Mr. Ayush Sahuji |
| | | | Ms. Prajakta Golhar |
| | | | Ms. Snehal Hajare |
| | | | Ms. Chaitali Kulkarni |
| | | | Mr. Tejas Dhanuka |
| | | | Ms. Shreya Ogale |
| 4 | Concept Pharmaceuticals | 3 | Ms. Priyanka Deore |
| | | | Mr. Arbaz Feroz Khan |
| | | | Mr. Dange Shubham |
| 4 | Redcross Formulation | 04 | Ms. Pooja Karvande |
| | | | Ms. Prajakta Muley |
| | | | Ms. Sayeda Nabeela Zafar |
| | | | Mr. Shaikh Asif |
| 5 | FDC Limited | 01 | Mr4. Dhole Prasad Satish |
| 6 | Intas Pharma , Ahmedabad | 01 | Mr. Rajendra More |
| 07 | Nagina Herbal | 01 | Mr. Shaikh Mohd Jibran Sajid |
| 08 | Hospital Pharmacist Training | 33 | Ms. Pallavi Gaikwad |
| | | | Mr. Krishna Agrawal |
| | | | Mr. Adanan Bin mazi |
| | | | Mr. Faizan Ahmed |
| | | | Ms. Samra Khan |
| | | | Mr. Siddiqui Aburehan |
| | | | Ms. Pooja Joshi |
| | | | Ms. Siddiqui Aqsa |
| | | | Ms. Renuka Lomate |
| | | | Mr. More Akash |
| | | | Mr Ammar Khan |
| | | | Mr. Mirza Anwarbeg |
| | | | Mr. Vijay Chavan |
| | | | Mr. Shaikh Shoeb Imam |
| | | | Mr. Momin Ashrab Mudassir |
| | | | Ms Shaikh Zargham Altaf |
| | | | Ms. Shaikh Rahat |
| | | | Ms. Prtiti Bhaske |
| | | | Mr. Sanjay Kharat |
| | | | Mohd Ahmed Mohd Javeed |
| | | | Mohd Nidanaaz Ismail |

| | | | |
|-------|--|----|--|
| | | | Mr. Imran Ayyubkha Pathan |
| | | | Mr. Mohd Arfat Mohd Altaf |
| | | | Mr. Lalani Adi |
| | | | Mr. Siddiqui Mohd Areeb |
| | | | Ms. Deshmukh Aisha |
| | | | Ms. Khan Shaziya |
| | | | Mr. Rahul Rakh |
| | | | Ms. Sharivani Basaiye |
| | | | Mr. Shaikh Atesham |
| | | | Mr. Pathan Sahjid |
| | | | Mr. Syed Shajaatullah |
| | | | Ms. Simran Kurane |
| 09 | Intas Pharma , Ahmedabad | 01 | Mr. Toufik Shafi Shaikh |
| 10 | Abbott Healthcare Ltd | 01 | Mr. Sayd Arsalan Quadri |
| 11 | Veegee Products | 06 | Mr. Dhole Vaibhav Mr. Pushkar Subhedar Mr. Sayed Arbaz Mr. Nikhil Bhosale Mr. Prashant Janjal Mr. Dhorkule Nilesh Me. Harshada Pawar |
| 12 | Truelixir Life Sciences Aurangabad | 01 | Mr. Hamaza Khuzema D |
| 13 | Umedica Labortories Pvt Ltd, Mumbai | 01 | Ms Shweta Gaikwad |
| 14 | Johnson and Johnson (Ethicon) | 01 | |
| TOTAL | | 61 | |



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VC Principal
Y.B. Chavan College of Pharmacy
Aurangabad



Dr. Rafiq Zakaria Campus
Maulana Azad Educational Trust's

Y. B. CHAVAN COLLEGE OF PHARMACY

(B. Pharm, M. Pharm & Research Centre)

ISO 9001-2008 CERTIFIED | NIRF - 2021 ALL INDIA RANK 53rd

NAAC ACCREDITATION "A" GRADE WITH 3.23 CGPA SCORE

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

List of B. Pharm Projects (VIIIth Semester) Academic Year 2021-2022

| Sr. No | Title | Student Name | Guide/Mentor |
|--------|--|--|-----------------------|
| 1 | Pharmacovigilance | Agarawal Karishma Jagdishprasad | Dr. Maria Saifee |
| 2 | Dental Implants | Ali Mahejabeen Basit Irfan | Dr. Maria Saifee |
| 3 | Preparation And Evaluation of Hair care Products | Ansari Abu Akhiyar Mukhtar Ahmad | Dr. S.N. MOKALE |
| 4 | rDNA Technology | Ansari Kamran Ahmed Abdul Faheem | Dr. Mirza Shahid Baig |
| 5 | Mass Spectrometry & its Application in New Drug Discovery | Ansari Mohammad Faizan Md Fasiuddin | Dr. Santosh Mokale |
| 6 | Digital Marketing | Ansari Sharekh Md Khaleel | DR. S. R. LAHOTI |
| 7 | Liposomes As Drug Delivery System | Attar Umar Samad | DR. S. R. LAHOTI |
| 8 | Scope Of Pharmaceutical Environment And Marketing Research | Bahashwan Abdul Alim Zakerya Idris Nazim | Dr. M.H. DEGHAN |
| 9 | Micro synthesis of drugs | Baheti Hardev Kamlakishor | Dr. Mirza Shahed Baig |
| 10 | Recent Advances for targeting ocular cavity in the form of solid dosage form | Baig Bilal Khizer | Dr. Ismail Mouazam |
| 11 | Nuclear Magnetic Resonance | Bhakde Prithviraj Santosh | Dr. M.H. DEGHAN |
| 12 | Novel Approaches on Osmotic Drug Delivery System | Bhaske Priti Pandurang | Dr. RANA Zainuddin |
| 13 | Review Of Analytical Methods Of Some Antihypertensive Drugs And Study Their Ftir Spectra Of Some Antihypertensive Drugs And Study Their Ftir Spectra | Bhosale Nikhil Rameshwar | Dr. K. G. BAHETI |
| 14 | Review of Analytical Methods of Some Antihypertensive Drugs and Study Their Ftir Spectra | Bin Mazi Adnan Mubarak | Dr. K. G. BAHETI |
| 15 | Pharmacovigilance in Vaccines | Chavan Ruchika Raosaheb | Dr. RANA Zainuddin |
| 16 | Dendrocalamus Strictus | Chavan Vijay Dwarkadas | Dr. Syed Ayaz Ali |

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| 17 | a Review On Diabetes Mellitus Treatment Using Herbal Drug | Deore Priyanka Ashok | Dr. Ms. KHAN DURESHAHWAR RIYAZ ALI |
| 18 | Juglans Regia | Deshmukh Maroti Limbaji | Dr. Syed Ayaz Ali |
| 19 | Gas Chromatography Mass Spectroscopy | Dhanuka Tejas Jagdish | Dr. Abubakar Salam Bawazir |
| 20 | Herbal Formulation Evaluation By Uplc, Nmr And Ms | Dhole Vaibhav Bhagwat | MR. MOHAMMED IMRARN ANEES |
| 21 | Liquid Chromatography Mass Spectroscopy | Dhorkule Nilesh Babasaheb | Dr. Jaiprakash Sangshetti |
| 22 | Anti diabetic Drugs From Herbal Origin | Fadnis Akshay Sandeep | Une, H.D. |
| 23 | Antimicrobial Resistance | Faizan Ahmed Mohd Qaiser Ali | Une, H.D. |
| 24 | Good Laboratory Practices (G L P) | Falke Raju Ramesh | Dr. Mirza Shahed Baig |
| 25 | Artificial Intelligence on Pharma | Gaike Gaurav Rajaram | Dr. Ismail Mouazam |
| 26 | Preclinical Model's For The Testing of Antidiabetic Drugs | Gaikwad Pallavi Shatrugna | Dr. Chishti Marzooka |
| 27 | Malaria Causes, Symptoms, Diagonis, Treatment & Prevention | Ghodke Ajay Gangaram | Dr. Moizul Hasan |
| 28 | Safety measures and hazards in chemistry laboratory | Ghongade Raju Parmeshwar | Dr. Mirza Shahed Baig |
| 29 | Intranasal Delivery of Nano Formulations: - A Potential Treatment for Neurological Disorders | Golhar Prajakta Gorakhnath | Dr. Chishti Marzooka |
| 30 | Application of Nanotechnology in Ophthalmic Preparations | Gond Dhanashri Shamsundar | Chishti Nahid Anjum |
| 31 | Artificial Intelligence and its use in Pharmacovigilance | Hajare Snehal Padmakar | Dr.Chishti Marzooka |
| 32 | 3D Printing in Pharmaceutics | Jadhav Rutuja Babanrao | Dr.Chishti Marzooka |
| 33 | Green Synthesis | Jadhav Suraj Ashok | Dr. Mirza Shahed Baig |
| 34 | Safer Alternatives For Paraben:As Preservative In Cosmetics | Jadhav Vaishnavi Gangadhar | Dr. Ms. Khan Dureshahwar Riyaz Ali |
| 35 | Recent advances in management of hypertension | Janjal Prashant Ambadas | Dr. Ismail Mouazam |
| 36 | Management of Oral Cancer | Joshi Paritosh Ram | Dr. Ismail Mouazam |

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|----|--|-------------------------------|-------------------------------------|
| 37 | Safer Alternatives For Paraben: As Preservative In Cosmetics | Karvande Pooja Sukhdeo | Dr. Ms. Khan Dureshahwar Riyaz Ali |
| 38 | Recent advances in management of diabetes mellitus | Kashid Saurabh Machhindra | Dr. Mr. Ismail Mouazam Sir |
| 39 | COVID-19 Causes And Treatment | Khan Adnan Javed khan | Dr. MIRZA SHAHED BAIG |
| 40 | Introduction to Molecular Docking | Khan Ammar Afaqur Rahman | Dr. Abubakar Salam Bawazir |
| 41 | Pharmaceutical And Biomedical Waste Management | Khan Anam Fatima Munawar khan | Dr. Ms. Khan Dureshahwar Riyaz Ali |
| 42 | Advanced Chromatography Techniques | Khan Arbaz Feroz | Mr. Sayyed Imran Wahab |
| 43 | Emerging Therapy for Dengue | Khan Atik Ejaj | Dr. Moizul Hasan |
| 44 | Introduction to Preformulation Studies | Khan Faisal Jamil Akhtar | Dr. Abubakar Salam Bawazir |
| 46 | Diabetes Mellitus | Khan Muzammil Gulam Dastagir | Dr Moizul Hasan |
| 47 | Marketing Strategies Of Different Pharmaceutical Companies: a Review | Khan Safwan Ahmed Iqbal Ahmed | Dr Moizul Hasan |
| 48 | High Performance Liquid Chromatography | Khan Shoeb Ayoub | Dr Moizul Hasan |
| 49 | Thin Layer Chromatography | Khan Zaid Ibrahim | Mr. Sarfaraz Khan |
| 50 | Novel Herbal Anticancer Drugs | Khandagale Mahesh Nanasaheb | Dr. Mohammad Mukhtar Khan |
| 51 | Probiotics as Nutraceuticals | Kharat Snehal Sanjay | Mrs. Chishti Nahid Anjum |
| 52 | A project report on Liquid Chromatography Mass Spectrometry & Gas chromatography | Kote Kiran Devidas | Mr. MOHD MUKHTAR KHAN |
| 53 | Pharmacoepidemiology | Kulkarni Chaitali Devendra | CHISTI NAHID ANJUM |
| 54 | Anticancer Drugs | Kulkarni Onkar Anil | Mr. MOHD MUKHTAR KHAN |
| 55 | Von Willebrand Disease | Larzi Mohsin Bin Mohammed | Mr. MOHD MUKHTAR KHAN |
| 56 | Antibody Drug Conjugate | Lomte Renuka Subhash | Mrs. Chishti Nahid Anjum Hafizuddin |
| 57 | H-Substance On Red Blood Cell | Madaje Amir Ibrahim | Mr. MOHD MUKHTAR KHAN |

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|----|--|---------------------------------|-----------------------------------|
| 58 | Teratogenic Effect of Different Drugs in Different Stages of Pregnancy | Madavi Monika Uttamrao | Dr. Chishti Marzooka Mada |
| 59 | An Overview of Azadirachta indica and its potential impact on health | Makey Omkar Dattatray | Dr. Nikhil Sakle |
| 60 | Introduction To HPLC In Finding Pharmaceutical Impurities | Meer Mujtahid Ali Khalique Ali | Dr. Nikhil Sakle |
| 61 | Marine Algae as a Natural Surfactant | Mhaslekar Asmita Ganesh | Dr. Chishti Marzooka |
| 62 | Introduction to Advancement in Gas Chromatography | Mirza Idrisbeg Anwarbeg | Dr. Nikhil Sakle |
| 63 | Use of Microbes in Industry and Production of Enzymes | Mohammad Nidanaaz Ismail | Mrs. Chishti Nahid Anjum |
| 64 | Detailed Report On Mass Spectrometry | Mohammed Ahmed Md Javeed Zaveri | Dr. ABUBAKAR SALAM BAWAZIR |
| 65 | Leech Therapy | Mohammed Ameen Mohammed Gulzar | DR. ABUBAKAR SALAM BAWAZIR |
| 66 | a Review Article On About Paracetamol And Thiocolchicoside Combination | Mohammed Saeed Abdul Samad | Dr. ABUBAKAR SALAM BAWAZIR |
| 67 | Nutraceuticals | Mohd Arfat Mohd Altaf | Dr. Subur W. Khan |
| 68 | Therapeutic Targets In Alzheimer Disease | Mohd Maaz Ishrat Hussain | Mr. Mohammed Mukhtar Kha |
| 69 | Advanced Chromatography Techniques | Momin Asharab Mudassir Ahmad | Mr. Ansari Altamash Shakeel Ahmad |
| 70 | Natural Dyes | More Akash Bhagwat | Dr. Subur Khan |
| 71 | Anti diabetic Drugs From Herbal Origin | Muley Prajakta Sanjay | Mrs. Reshma Toshniwal |
| 72 | B-lymphocytes Targeted Therapy In Management Of Systemic Lupus Erythomatosus | Muthe Dipali Kailas | Dr. Khan Dureshahwar |
| 73 | | Nadaf Hussain Jafar Sadik | |
| 74 | | Nadaf Natasha Jafar Sadik | |
| 75 | Cosmeceuticals | Navale Snehal Shivaji | Mrs. Reshma Toshniwal |
| 76 | Drug Delivery System | Nikam Bharati Suresh | Mrs. Chishti Nahid Anjum |
| 77 | Herbal and Allopathic Medications Used for treatment of Cardiovascular | Ogale Shreya Shripad | Ms. Barrawaz Aateka Yahya |

| | Diseases | | |
|----|---|----------------------------------|----------------------------|
| 78 | a Review On Novel Drug Delivery System | Pakolu Apoorva Vijay | Mrs. RESHMA TOSHNIWAL |
| 79 | | Patel Shahazeb Shahnawaz | |
| 80 | Recent Advances In The Management Of Diabetes Mellitus | Pathan Ateeque Khan Ali Khan | Dr. Syed Iftueqar Ahmed |
| 81 | Herbal excipients used to improve bio availability of drug molecule | Pathan Imran Ayyubkha | Dr. Furquan Khan |
| 82 | Medicinal Plants Used For Gastrointestinal Disorder | Pathan Junaid Basheer | Mr. Qazi Yasar Qaisa |
| 83 | Herbal Drugs Used For Treatment Of Diabetes | Pathan Tabrej Kha Yusuf Kha | DR. ABUBAKAR SALAM BAWAZIR |
| 84 | Review on Nanoparticle Vaccines | Pawar Harshada Bhimrao | Mrs. Reshma Toshniwal |
| 85 | Treatment Of Diabetes Mellitus In Allopathy , Unani And Ayurveda | Qazi Nishat ul Ain Jaweed Ahmed | Mrs Ateka Barawaz Yahya |
| 86 | Pharmacovigilance | Quadri Sofiyan Ahmad Raees Ahmad | Mr. Shaikh Mohammed Shoaib |
| 87 | Advancements in Nanotechnology | Qureshi Talha Faizan Tareque | Dr. Furquan Khan |
| 88 | Current trends in Pharmaceutical Marketing | Rakh Rahul Rameshwar | Dr. Furquan Khan |
| 89 | Formulation And Evaluation Of Herbal Gel | Sahuji Aayush Sanjay | Mr. Imran Anees |
| 90 | Herbal Cream And Its Evaluation Studies | Satpute Bharat Tulshiram | Mr. MOHAMMED IMRAN ANEES |
| 91 | Analytical Instrument Used in Herbal Formulation and Evaluation | Sayyad Ajim Rajeshah | Mr. MOHAMMED IMRAN ANEES |
| 92 | Microsynthesis | Sayyad Azhar Ali Sayyad Dadu | Mr. Ansari Altamash |
| 93 | Laboratory Safety Measures And Hazards | Sayyad Sajid Ayyub | Mr. Ansari Altamash |
| 94 | Advancement in Recrystallization Techniques | Sayyed Atik Nisar | Mr. Ansari Altamash |
| 95 | Severe acute respiratory syndrome SARS a review | Sayyed Saqlain Nuruddin | Mr. QAZI YASAR QAISE |
| 96 | Anticancer Drugs | Shaikh Abdullah Ahmadullah | Mr. QAZI YASAR QAISE |

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|-----|---|-----------------------------------|---------------------------|
| 97 | Flavoring Agents And Their Chemical Constituents | Shaikh Alesar Nazeer | DR. SUBUR KHAN |
| 98 | X-Ray Diffraction | Shaikh Arbaaz Shakeel | Dr. Furquan Sir |
| 99 | Plant Derived Anticancer Agents | Shaikh Asif Jamil | Mr. QAZI YASAR QAISER |
| 100 | Antacids | Shaikh Atesham Abdul Rauf | Mr. QAZI YASAR QAISER |
| 101 | Management and Treatment of Peptic Ulcer Disease | Shaikh Awaiz Abbas | Dr. Furquan Khan |
| 102 | Current Trends in Nutritional Pharmacy | Shaikh Junaid Habib | Syed Iftuqar, Ahmed, |
| 103 | New Topical Corticosteroids | Shaikh Mahmud Hameed | Syed Iftuqar, Ahmed, |
| 104 | Liposome; a Novel Drug Delivery System | Shaikh Mohd Jibrán Sajid | Dr. Syed Iftuqar Ahmed |
| 105 | A systematic review on Nephroprotective plants | Shaikh Mosin Aabed | Dr. Syed Iftuqar Ahmed |
| 106 | Bipolar Disorder | Shaikh Mujeeb Shaikh Mahboob | DR. IFTEQUAR AHMED |
| 107 | Anti-inflammatory Drugs | Shaikh Naim Shaikh Najim Inamdar | Sayad Imran Wahab |
| 108 | Introduction, Production Process And Application Of Monoclonal Antibodies | Shaikh Rahat Nawal Altaf Ahmed | Ms. Barrawaz Aateka Yahya |
| 109 | Herbal and Allopathic Medications Used for treatment of Cardiovascular Diseases | Shaikh Saba Ikabal | Ms. Barrawaz Aateka Yahya |
| 110 | A Review On Cubosome: A Novel Approach For Drug Delivery | Shaikh Sadaf Mohammed Hanif Patel | Ms. Barrawaz Aateka Yahya |
| 111 | Determination of Iodine Content From Local Marketed Table Salt in Aurangabad | Shaikh Sajed Shaikh Mohd | Sayad Imran Wahab |
| 112 | Treatment Of Diabetes Mellitus In Allopathy , Unani And Ayurveda | Shaikh Samia Sultana Shanavass | Barrawaz, Aateka |
| 113 | Quality Control Parameters for Pharmaceutical Products | Shaikh Shabnoor Barkat Ali | Sayad Imran Wahab |
| 114 | Nuclear Magnetic Resonance NMR Spectroscopy | Shaikh Shahbaz Abdul Majeed | Sayad Imran Wahab |
| 115 | Non Steroidal Anti Inflammatory Drugs | Shaikh Shifan Shafi | Mr. IMRAN WAHAB |

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| 116 | Determination of Iodine Content From Local Marketed Table Salt in Aurangabad | Shaikh Shoeb Imam | Sayad Imran Wahab |
| 117 | Good Laboratory Practices GIp | Shaikh Taha Al Hadi Sk. Kaleemuddin | Mr. Altamash Ansari |
| 118 | Different Chemical Methods For Synthesis Of Drugs | Shaikh Zargham Altaf Ahmed | Mr. Ansari Altamash |
| 119 | | Shuttari Syed Naseeruddin Allauddin | |
| 120 | Preparation And Evaluation Of Hair Care Products | Siddiqui Abdus Salam Ajwad Abdul Mujeeb | Mr. Sarfaraz Khan |
| 121 | Nuclear Magnetic Resonance Spectroscopy | Siddiqui Abrar Abdul Malik | Mr. Sarfaraz Khan |
| 122 | TABLET MANUFACTURING LAYOUT | Siddiqui Adnan Barequddin | Mr. Sarfaraz Khan |
| 123 | | Sourabh Umesh Sonawne | |
| 124 | High Performance Liquid Chromatography | Subhedar Pushkar Ulhas | Mr. Sarfaraz Khan |
| 125 | Pharmacotherapy Of Hypertension | Syed Arbaz Syed Nazeer Ahemad | Mr. Shaikh Mohammed Shoaib |
| 126 | Safety of Inhaled corticosteroids in COPD | Syed Arsalan Quadri Atheruddin Quadri | Dr. Syed Iftenaar Ahmed |
| 127 | Digitalization of Pharmaceutical Industry | Syed Saqlain Abdul Mugni | Mr. Shaikh Mohd. Shoaib |
| 128 | Osmotically Controlled Drug Delivery System | Syed Umar Faizuddin | Mr. Shaikh Mohammed Shoaib |
| 129 | Drug delivery to the Brain Via nasal route | Syed Wajahat Nusrat Ali | Mr. Shaikh Mohammed Shoaib |
| 130 | Controlled Drug Delivery System | Syed Waleed Hussain Ateeque Hussain | Mr. Shaikh Mohammed Shoaib |
| 131 | Nanogel Drug Delivery System | Syed Zaid Syed Musa | Dr. Moizul Hasan |
| 132 | Treatment Of Diabetes Mellitus In Allopathy , Unani And Ayurveda | Syeda Nabeela Syed Zafar | Mrs Ateka Barawaz Yahya |
| 133 | Different Targeted drug delivery system for cancer | Tirukhe Kailas Anjaba | Mr. Sarfaraz Khan |
| 134 | Gene Therapy | Tumedwar Govind Ashok | Mr. Sarfaraz Khan |
| 135 | GMP In Pharmaceutical Industry | Usama Riyaz Shaikh | Mr. IMRAN WAHAB |
| 136 | | Vaibhavi Shashikant Shastri | |

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| 137 | Resealed Erythrocytes | Vanmare Chaitanya Dayanand | Dr. Syed Iftuqar Ahmed. |
| 138 | NSAIDS | Shaikh Danish Shamsheer | Mr. Imran Wahab |
| 139 | Alzheimer's Disease | Shaikh Farhan Akhtar Qadeer | Mr. Shaikh Mohammed Shoaib |
| 140 | Malaria The Past And The Present | Khan Muniba Fahim Ahmed | Mrs. Chisti Nahid |
| 141 | GMP in Tablet Manufacturing | Moraskar Simran Bhikan | Ms. Sabina Shaikh |
| 142 | Alzheimer's Disease | Wanekar Abhijeet Suresh | Mr. Shaikh Mohammed Shoaib |
| 143 | Parkinson's disease | Shaikh Zeeshan Ahmed Zakiruddin | Mr. Shaikh Mohammed Shoaib |
| 144 | Study Of Marketed Oral Hypoglycemic Drugs In Treatment Of Diabetes Mellitus | Mohammed Imtiyaz Ahmed | Mr. Shaikh Mohammed Shoaib |
| 145 | | Chishty Mohd Aqueebuddin Mohtesibuddin | |
| 146 | | Shaikh Awez Mujeeb | |
| 147 | Review on Analysis of Various Drugs by UV Visible Spectrophotometer | Darabi Abdur Rab Amer | Dr. Abubakar Salam Bawazir |

List of B. Pharm Practice School (VIIth Semester)

List of B. Pharm Practice School (VIIth Semester) Projects engaged during the academic year 2020-2021.

| Sr. No | Name Practice School Project/s | Roll Nos of Students Enrolled in Project/s | Name of Project/s Guide |
|--------|---|--|--|
| 1 | To Study SWAYAM NPTEL Courses | 1-20 | Mr. Imran Anees |
| 2 | Hypertension | 21-40 | Dr. Khan Dureshahwar |
| 3 | Planting and Maintaining a Medicinal Plant material | 41-60 | Dr. Subur Khan |
| 4 | To perform the study and prepare report on GMP | 61-80 | Mr. Altamash Ansari & Ms. Chishti Nahid Anjum |
| 5 | SOP | 81-100 | Ms. Sana Shaikh Saffiruddin |
| 6 | TQM | 101-109 | Ms. Nahid Chishti |

List of M. Pharm Research Projects (IVth Semester)

Department of Pharmaceutics

| Sr. No | Title | Researcher / Author | Guide |
|--------|---|---|--------------------------|
| 1 | Development of Novel Co-processed excipient by using Mannitol and Sodium Bicarbonate for Effervescent formulation. | Alfiya Naaz Mirza Fazal Baig | Dr. S.R Lahoti |
| 2 | Formulation And Evaluation Of Mouth Dissolving Film Of Nicorandil. | Andhale Ganesh Pralhad | Dr. Ismail Moazzam |
| 3 | Formulation And Evaluation Of Extended-Release Matrix Tablets Of Carvedilol Phosphate Using QBD Approach. | Ansari Mohd Farhan Raisuzzaman | Dr. Mrs. Maria Saifee |
| 4 | Formulation & Evaluation Of Pulsatile Drug Delivery System For Theophylline. | Ansari Tauseef Amjad Hussan | Dr. M.H.G Dehghan |
| 5 | Formulation And Evaluation Of Nanocrystals And Self Microemulsifying Drug Delivery System For Enhancement Of Dissolution Rate Of Mebendazole. | Auti Suraj Sudam | Dr. Maria Saifee |
| 6 | Formulation And Evaluation Of Micellar Gel Loaded With Azithromycin. | Bongane Pratiksha Uttam | Dr. Maria Saifee |
| 7 | Development & Evaluation Of Novel Drug-Drug Cocrystal Of Bedaquiline Using Advanced Technologies. | Giradkar Pooja Keshavrao | Dr. S.R. Lahoti |
| 8 | Phosphated Cross-Linked Locust Bean Gum For Colon Specific Drug Delivery Of Capecitabine. | Mulla Muzmilahamad Nizamoddin | Dr. S.R. Lahoti |
| 9 | Formulation And Evaluation Of Colon Targeted Drug Delivery System Using Polysaccharide From Aegle Marmelos. | Murkute Vikas Shridhar | Dr. M.H.G. Dehghan |
| 10 | Novel Hydrotropy For The Dissolution Enhancement Of Glibenclamide Drug In Combination With Glars Technology. | Patmas Minakshi Arun | Dr. Ismail Moazzam |
| 11 | Development And Evaluation Of Topical Film Forming Spray Of Ketoconazole. | Shaikh Aklak Gafar | Dr. M.H.G. Dehghan |
| 12 | Formulation And Evaluation Of Buccal Tablets For Buccal Drug Delivery System Of Acyclovir. | Shaikh Saif Shaikh Shadul | M.H.G. Dehghan |
| 13 | Design And Development Of Co- Amorphous System Of Ciprofloxacin Hydrochloride. | Shaikh Saniya Jabeen Sayeed Ahmed | M.H. Dehghan |
| 14 | Formulation And Evaluation Of Tolnaftate Loaded Microemulsion Based Gel. | Thokal Rajeshwari Kakasaheb | Dr. Maria Saifee |
| 15 | Formulation Of Plga Based Biodegradable Microspheres Of Temozolomide. | Thole Yash Satish | Dr. S. R. Lahoti |

Department of Pharmaceutical Chemistry

| Sr. No | Title | Researcher / Author | Guide |
|--------|---|---|--------------------------|
| 1 | Synthesis and Biological evaluation of Derivatives of 4-amino-5-phenyl-4H-1,2,4-triazole-3-thiol for antibacterial & anticancer activities. | Ansari Faizan Mohiuddin Farroq Mohiuddin | Dr. K. G. Baheti |
| 2 | Synthesis And Biological Evaluation Of Novel Ethyl-3-(Methylthio)-1-Phenyl-5-(Substitutedacetamido)-1h-Pyrazole-4-Carboxylate Derivatives. | Bidkar Trupti Vilas | Dr. K G Baheti |
| 3 | Analytical Method Development And Validation Of Luliconazole In Bulk And Cream Formulation. | Binmazi Saleh Mubarak | Dr. Mirza Shahed Baig |
| 4 | Development, Synthesis and Pharmacological Screening of Novel ER α +ve Receptor Modulator. | Gaikwad Shivani Prakash | Dr. S. N. Mokale. |
| 5 | Design Synthesis and Anticancer Screening of Some Novel Anti Breast Cancer Agent. | Garje Shweta Vitthal | Dr. S. N. Mokale. |
| 6 | Design, Synthesis And Biological Investigation Of Novel Era+Ve Receptor Modulators. | Kapate Vidhya Madhavrao | Dr. S. N. Mokale. |
| 7 | Design, Synthesis, Docking Analysis and Invitro Screening of Some Novel EGFR Inhibitors as Anti-Breast Cancer Agents. | Mokle Bhagyashree Anna | Dr. Mirza Shahed Baig |
| 8 | Design, Synthesis and Biological Screening of Some Novel Anti Breast Cancer Agents. | Navpute Pavankumar Kachru | Dr. S. N. Mokale |
| 9 | Design, Synthesis, Docking Analysis and Invitro Screening of Sone Novel HDAC Inhibitors as Anti-Breast Cancer Agents. | Sayyad Khudus Anis | Dr. Mirza Shahed Baig |
| 10 | Analytical method development and validation of ticagrelor in bulk and formulation. | Shaikh Abdul Latif Abdul Raees | Dr. Mirza Shahid Baig |
| 11 | Synthesis Of Some Novel 4-Amino-5-(Pyridin-4-Yl)-4h- 1, 2, 4-Triazole-3-Thiol Derivatives For Biological Activity. | Shaikh Alihydar Akbarsaheb | Dr. K. G. Baheti |
| 12 | Synthesis And Biological Evaluation Of Novel Ethyl-(5-Substitutedpropanamido)-3-(Methylthio)-1-Phenyl- 1h-Pyrazole-4-Carboxylate Derivatives. | Wankhede Pooja Sunil | Dr. K. G. Baheti |

Department of Pharmacology

| Sr. No | Title | Researcher / Author | Guide |
|--------|--|---|-------------------------|
| 1 | Novel Ethacrynic Acid Analogues as Antibreast Cancer Agent. | Bambarde Jaishree Kautik | Dr. Syed Ayaz Ali |
| 2 | To Study the effect of flavonoids obtained from Clitoria ternatea L in STZ induced hyperglycemic Rats. | Bhople Kiran Balaji | Dr. Hemant D. Une |
| 3 | To study the effect of flavonoids obtained from Clitoria ternatea Linn. in Alcohol Induced Amnesia in mice. | Inamdar Sana Kausar Sayed Jahid | Dr. Hemant D. Une |
| 4 | Evaluation of Effect of Flavonoids Obtained From roots of Clitoria ternatea Linna. In STZ induced Diabetic Neuropathy in Rats. | Kulkarni Aditya Hemantrao | Dr. Hemant D. Une |
| 5 | Anticancer potential of Levocetizine and Montelukast alone and in combination with Tamoxifen in Breast Cancer. | Mahajan Prajakta Sanjay | Dr. Nikhil S. Sakle |
| 6 | Repurposing Calcium Channel Blockers As A Potential Pharmacological Strategy For Diabetes Therapeutics. | Naiknaware Raman Bhaskar | Dr. Dureshahwar khan |
| 7 | Anxiolytic Effect of Punica granatum L Methanolic Leaves Extract In Mice. | Shaikh Nawaz Uddin Shaikh Ayaz Uddin | Dr. Syed Ayaz Ali |
| 8 | To study the effect of flavonoids obtained from Clitoria ternatea Linn. in stress induced memory dysfunction on mice. | Syeda Daraksha Fatema Syed Matinuddin | Dr. Hemant D. Une |
| 9 | Antiepileptic effect of isoflavonoid rich extract of Prunus Armeniaca in Pentyntetrazol induced seizures in mice. | Ummeroman Mohd Gulam Irfani | Dr. Syed Ayaz Ali |

Department of Quality Assurance

| Sr. No | Title | Researcher / Author | Guide |
|--------|---|-----------------------------------|---------------------------|
| 1 | Development And Validation Of Luliconazole In Bulk And Formulation By Using UV And HPLC Technique. | Hade Priyanka Machhindra | Dr. J. N. Sangshetti |
| 2 | Analytical Method Development And Validation For Estimation Of Indomethacin In Bulk And Formulation by UV And HPLC Technique. | Jaiswal Poonam Kanhaiyalal | Dr. J. N. Sangshetti |
| 3 | UV-Spectrophotometry And RP-HPLC Method Development And Validation For The Determination Of Pazopanib Hydrochloride In Bulk And Tablet Formulation. | Kale Rutuja Krishna | Dr. Rana Zainuddin |
| 4 | Standardization Of Different Stevia Samples. | Kawade Priyanka Arun | Dr. Subur Khan |
| 5 | Analytical method development and validation for estimation of tapentadol and paracetamol in combined dosage form. | Kharat Vishal Baburao | Dr. J. N. Sangshetti |
| 6 | Formulation And Evaluation Of Pulmonary Drug Delivery System (Nebulization) Of Boswellic Acid. | Mohammadi Sultan Shaikh | Dr. Furquan Khan |
| 7 | Analytical Method Development And Validation for Estimation Of Mupirocin In Bulk Drug And Ointment Formulation By UV-Spectrophotometry & HPLC. | Mohd Akbar Mohd Aslam | Dr. Rana Zainuddin |
| 8 | Formulation and Evaluation of Gastro retentive Floating bilayer Tablet of Lamotrigine. | Pathan Mahamad Khajaminy | Dr. Rana Zainuddin |
| 9 | Formulation & Evaluation of Metformin HCl and Trigonella foenum-graecum L. Immediate Release Tablets. | Quazi Adil Jameel | Dr. Furquan Khan |
| 10 | Estimation Of Diclofenac Diethylamine In Bulk Drug and Formulation By Uv And Hplc Technique. | Salwa Raees Barbud | Dr. J. N. Sangshetti |
| 11 | Evaluation Of Anti-Microbial Activity of Calotropis Species. | Shaikh Anjum Shoukat | Ms. Barrawaz Aateka Yahya |
| 12 | Analytical Method Development and Validation for Estimation of Ranolazine in Bulk and Tablet Dosage by UV-Spectroscopy and HPLC. | Shaikh Mahveen Fatema Mohd Ismail | Dr. Rana Zainuddin |
| 13 | QBD Based Design And Validation Of An Efficient RP HPLC Method For The Estimation of Favipiravir Hcl In Bulk And Pharmaceutical Dosage Form. | Shaikh Simran Mahamad | Ms. Barrawaz Aateka Yahya |

14

Formulation and Evaluation of Nasal Drug
Delivery System of Boswellic Acid

Tambe Nikita
Dadasaheb

Dr.Furquan Khan

11/04/2022




Y.C Principal
Y.B. Chavan College of Pharmacy
Aurangabad

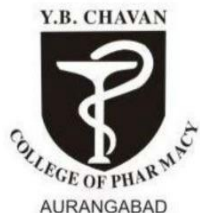
Environment and Sustainability:

To B. Pharm first year Environment Science is taught. For post graduate students the research projects on green chemistry are encouraged.

Professional Ethics:

Pharmacy Oath is given to B. Pharm. students every year.

| SN | Particulars of aspects | Course(s) that address the aspects | Taught to B. Pharm. (Year) |
|-----------|-------------------------------|--|-----------------------------------|
| 1 | Environment & sustainability | Environment Science | First |
| 2 | Human values | Communication skills Social and Preventive Pharmacy, Communication Skill Personality Development (CSPD) | First & Final |
| 3 | Professional ethics | Constitution of India, Pharmaceutical Jurisprudence | First & Third |



Dr. Rafiq Zakaria Campus

Maulana Azad Educational Trust's

Y. B. CHAVAN COLLEGE OF PHARMACY

(B. Pharm, M. Pharm & Research Centre)

ISO 9001-2008 CERTIFIED | NIRF – 2021 ALL INDIA RANK 53rd

NAAC ACCREDITATION "A" GRADE WITH 3.23 CGPA SCORE

1.3.1 Syllabus showing Ethics, Environment and Human Values

Pharmacy Council of India
New Delhi

Draft Rules & Syllabus for the
Bachelor of Pharmacy (B. Pharm)
Course

[Framed under Regulation 6, 7 & 8 of the Bachelor of
Pharmacy (B. Pharm) course regulations 2014]

CHAPTER- I: REGULATIONS

1. Short Title and Commencement

These regulations shall be called as “The Revised Regulations for the B. Pharm. Degree Program (CBCS)of the Pharmacy Council of India, New Delhi”. They shall come into effect from the Academic Year 2016-17. The regulations framed are subject to modifications from time to time by Pharmacy Council of India.

2. Minimum qualification for admission

2.1 First year B. Pharm:

Candidate shall have passed 10+2 examination conducted by the respective state/central government authorities recognized as equivalent to 10+2 examination by the Association of Indian Universities (AIU) with English as one of the subjects and Physics, Chemistry, Mathematics (P.C.M) and or Biology (P.C.B / P.C.M.B.) as optional subjects individually. Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

2.2. B. Pharm lateral entry (to third semester):

A pass in D. Pharm. course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.

3. Duration of the program

The course of study for B.Pharm shall extend over a period of eight semesters (four academic years) and six semesters (three academic years) for lateral entry students. The curricula and syllabi for the program shall be prescribed from time to time by Pharmacy Council of India, New Delhi.

4. Medium of instruction and examinations

Medium of instruction and examination shall be in English.

5. Working days in each semester

Each semestershall consist of not less than 100 working days. The odd semesters shall be conducted from the month of June/July to November/December and the even semesters shall be conducted from December/January to May/June in every calendar year.

6. Attendance and progress

A candidate is required to put in at least 80% attendance in individual courses considering theory and practical separately. The candidate shall complete the prescribed course satisfactorily to be eligible to appear for the respective examinations.

7. Program/Course credit structure

As per the philosophy of Credit Based Semester System, certain quantum of academic work viz. theory classes, tutorial hours, practical classes, etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly, the credit associated with any of the other academic, co/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week.

7.1. Credit assignment

7.1.1. Theory and Laboratory courses

Courses are broadly classified as Theory and Practical. Theory courses consist of lecture (L) and /or tutorial (T) hours, and Practical (P) courses consist of hours spent in the laboratory. Credits (C) for a course is dependent on the number of hours of instruction per week in that course, and is obtained by using a multiplier of one (1) for lecture and tutorial hours, and a multiplier of half (1/2) for practical (laboratory) hours. Thus, for example, a theory course having three lectures and one tutorial per week throughout the semester carries a credit of 4. Similarly, a practical having four laboratory hours per week throughout semester carries a credit of 2.

7.2. Minimum credit requirements

The minimum credit points required for award of a B. Pharm. degree is 208. These credits are divided into Theory courses, Tutorials, Practical, Practice School and Project over the duration of eight semesters. The credits are distributed semester-wise as shown in Table IX. Courses generally progress in sequences, building competencies and their positioning indicates certain academic maturity on the part of the learners. Learners are expected to follow the semester-wise schedule of courses given in the syllabus.

The lateral entry students shall get 52 credit points transferred from their D. Pharm program. Such students shall take up additional remedial courses of 'Communication Skills' (Theory and Practical) and 'Computer Applications in Pharmacy' (Theory and Practical) equivalent to 3 and 4 credit points respectively, a total of 7 credit points to attain 59 credit points, the maximum of I and II semesters.

8. Academic work

A regular record of attendance both in Theory and Practical shall be maintained by the teaching staff of respective courses.

9. Course of study

The course of study for B. Pharm shall include Semester Wise Theory & Practical as given in Table – I to VIII. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than that shown in Table – I to VIII.

Table-I: Course of study for semester I

| Course code | Name of the course | No. of hours | Tutorial | Credit points |
|----------------------|---|---|----------|---|
| BP101T | Human Anatomy and Physiology I– Theory | 3 | 1 | 4 |
| BP102T | Pharmaceutical Analysis I – Theory | 3 | 1 | 4 |
| BP103T | Pharmaceutics I – Theory | 3 | 1 | 4 |
| BP104T | Pharmaceutical Inorganic Chemistry – Theory | 3 | 1 | 4 |
| BP105T | Communication skills – Theory * | 2 | - | 2 |
| BP106RBT BP106RMT | Remedial Biology/ Remedial Mathematics – Theory* | 2 | - | 2 |
| BP107P | Human Anatomy and Physiology – Practical | 4 | - | 2 |
| BP108P | Pharmaceutical Analysis I – Practical | 4 | - | 2 |
| BP109P | Pharmaceutics I – Practical | 4 | - | 2 |
| BP110P | Pharmaceutical Inorganic Chemistry – Practical | 4 | - | 2 |
| BP111P | Communication skills – Practical* | 2 | - | 1 |
| BP112RBP | Remedial Biology – Practical* | 2 | - | 1 |
| Total | | 32/34[§]/36[#] | 4 | 27/29[§]/30[#] |

[#]Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB)course.

[§]Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM)course.

* Non University Examination (NUE)

Table-II: Course of study for semester II

| Course Code | Name of the course | No. of hours | Tutorial | Credit points |
|--------------|--|--------------|----------|---------------|
| BP201T | Human Anatomy and Physiology II – Theory | 3 | 1 | 4 |
| BP202T | Pharmaceutical Organic Chemistry I – Theory | 3 | 1 | 4 |
| BP203T | Biochemistry – Theory | 3 | 1 | 4 |
| BP204T | Pathophysiology – Theory | 3 | 1 | 4 |
| BP205T | Computer Applications in Pharmacy – Theory * | 3 | - | 3 |
| BP206T | Environmental sciences – Theory * | 3 | - | 3 |
| BP207P | Human Anatomy and Physiology II –Practical | 4 | - | 2 |
| BP208P | Pharmaceutical Organic Chemistry I– Practical | 4 | - | 2 |
| BP209P | Biochemistry – Practical | 4 | - | 2 |
| BP210P | Computer Applications in Pharmacy – Practical* | 2 | - | 1 |
| Total | | 32 | 4 | 29 |

*Non University Examination (NUE)

Table-III: Course of study for semester III

| Course code | Name of the course | No. of hours | Tutorial | Credit points |
|--------------|---|--------------|----------|---------------|
| BP301T | Pharmaceutical Organic Chemistry II – Theory | 3 | 1 | 4 |
| BP302T | Physical Pharmaceutics I – Theory | 3 | 1 | 4 |
| BP303T | Pharmaceutical Microbiology – Theory | 3 | 1 | 4 |
| BP304T | Pharmaceutical Engineering – Theory | 3 | 1 | 4 |
| BP305P | Pharmaceutical Organic Chemistry II – Practical | 4 | - | 2 |
| BP306P | Physical Pharmaceutics I – Practical | 4 | - | 2 |
| BP307P | Pharmaceutical Microbiology – Practical | 4 | - | 2 |
| BP 308P | Pharmaceutical Engineering –Practical | 4 | - | 2 |
| Total | | 28 | 4 | 24 |

Table-IV: Course of study for semester IV

| Course code | Name of the course | No. of hours | Tutorial | Credit points |
|--------------------|--|---------------------|-----------------|----------------------|
| BP401T | Pharmaceutical Organic Chemistry III– Theory | 3 | 1 | 4 |
| BP402T | Medicinal Chemistry I – Theory | 3 | 1 | 4 |
| BP403T | Physical Pharmaceutics II – Theory | 3 | 1 | 4 |
| BP404T | Pharmacology I – Theory | 3 | 1 | 4 |
| BP405T | Pharmacognosy and Phytochemistry I– Theory | 3 | 1 | 4 |
| BP406P | Medicinal Chemistry I – Practical | 4 | - | 2 |
| BP407P | Physical Pharmaceutics II – Practical | 4 | | 2 |
| BP408P | Pharmacology I – Practical | 4 | - | 2 |
| BP409P | Pharmacognosy and Phytochemistry I – Practical | 4 | - | 2 |
| Total | | 31 | 5 | 28 |

Table-V: Course of study for semester V

| Course code | Name of the course | No. of hours | Tutorial | Credit points |
|--------------------|---|---------------------|-----------------|----------------------|
| BP501T | Medicinal Chemistry II – Theory | 3 | 1 | 4 |
| BP502T | Formulative Pharmacy– Theory | 3 | 1 | 4 |
| BP503T | Pharmacology II – Theory | 3 | 1 | 4 |
| BP504T | Pharmacognosy and Phytochemistry II– Theory | 3 | 1 | 4 |
| BP505T | Pharmaceutical Jurisprudence – Theory | 3 | 1 | 4 |
| BP506P | Formulative Pharmacy – Practical | 4 | - | 2 |
| BP507P | Pharmacology II – Practical | 4 | - | 2 |
| BP508P | Pharmacognosy and Phytochemistry II – Practical | 4 | - | 2 |
| Total | | 27 | 5 | 26 |

Table-VI: Course of study for semester VI

| Course code | Name of the course | No. of hours | Tutorial | Credit points |
|--------------------|--|---------------------|-----------------|----------------------|
| BP601T | Medicinal Chemistry III – Theory | 3 | 1 | 4 |
| BP602T | Pharmacology III – Theory | 3 | 1 | 4 |
| BP603T | Herbal Drug Technology – Theory | 3 | 1 | 4 |
| BP604T | Biopharmaceutics and Pharmacokinetics – Theory | 3 | 1 | 4 |
| BP605T | Pharmaceutical Biotechnology – Theory | 3 | 1 | 4 |
| BP606T | Quality Assurance –Theory | 3 | 1 | 4 |
| BP607P | Medicinal chemistry III – Practical | 4 | - | 2 |
| BP608P | Pharmacology III – Practical | 4 | - | 2 |
| BP609P | Herbal Drug Technology – Practical | 4 | - | 2 |
| Total | | 30 | 6 | 30 |

Table-VII: Course of study for semester VII

| Course code | Name of the course | No. of hours | Tutorial | Credit points |
|--------------------|--|---------------------|-----------------|----------------------|
| BP701T | Instrumental Methods of Analysis – Theory | 3 | 1 | 4 |
| BP702T | Industrial Pharmacy – Theory | 3 | 1 | 4 |
| BP703T | Pharmacy Practice – Theory | 3 | 1 | 4 |
| BP704T | Novel Drug Delivery System – Theory | 3 | 1 | 4 |
| BP705P | Instrumental Methods of Analysis – Practical | 4 | - | 2 |
| BP706PS | Practice School* | 12 | - | 6 |
| Total | | 28 | 5 | 24 |

* Non University Examination (NUE)

Table-VIII: Course of study for semester VIII

| Course code | Name of the course | No. of hours | Tutorial | Credit points |
|--------------|---|--------------|-----------|---------------|
| BP801T | Biostatistics and Research Methodology | 3 | 1 | 4 |
| BP802T | Social and Preventive Pharmacy | 3 | 1 | 4 |
| BP803ET | Pharmaceutical Marketing | 3 + 3 = 6 | 1 + 1 = 2 | 4 + 4 = 8 |
| BP804ET | Pharmaceutical Regulatory Science | | | |
| BP805ET | Pharmacovigilance | | | |
| BP806ET | Quality Control and Standardizations of Herbals | | | |
| BP807ET | Computer Aided Drug Design | | | |
| BP808ET | Cell and Molecular Biology | | | |
| BP809ET | Cosmetic Science | | | |
| BP810ET | Experimental Pharmacology | | | |
| BP811ET | Advanced Instrumentation Techniques | | | |
| BP812PW | Project Work | 12 | - | 6 |
| Total | | 24 | 4 | 22 |

Table-IX: Semester wise credits distribution

| Semester | Credit Points |
|--|--|
| I | 27/29 [§] /30 [#] |
| II | 29 |
| III | 26 |
| IV | 28 |
| V | 26 |
| VI | 26 |
| VII | 24 |
| VIII | 22 |
| Extracurricular/ Co curricular activities | 01* |
| Total credit points for the program | 209/211[§]/212[#] |

* The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

[§]Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics course.

[#]Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course.

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD [M.S.] INDIA.**



CIRCULAR/SYLL/CONSTITUTION OF INDIA/ I Yr/2020.

It is hereby inform to all concerned that, the Academic Council at its meeting held on 31st December, 2019 **has accepted the Curriculum of "Constitution of India" at First Year College level as per Appendix-'A'.**

This is effective from the Academic Year 2020-21 and Onwards.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

Encl.: - Syllabus,

University campus,

Aurangabad-431 004.

Ref. No. SU/Con./I Yr/Cur./

2020/ *7416-25*

Date: 28.01.2020.

}}
}}
}}
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[Signature]
**Deputy Registrar,
Academic [Syllabus]
Section.**

Copy forwarded with compliments to:-

- 1] **The Principals, all affiliated Colleges,**
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload this Circular on University Website.**

Copy to :-

- 1] The Director, Board of Examinations & Evaluation,
- 2] **The Section Officer, [B.A. Unit] Examination Branch,**
- 3] The Section Officer, [Eligibility Unit],
- 4] **The Programmer [Computer Unit-1] Examinations,**
- 5] **The Programmer [Computer Unit-2] Examinations,**
- 6] The In-charge, [E-Suvidha Kendra],
- 7] The Public Relation Officer,
- 8] The Record Keeper,
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

--**--

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.

**COMPULSORY COURSE TO THE UNDER GRADUATE STUDENTS OF AFFILIATED
AND CONDUCTED COLLEGES OF UNIVERSITY**

[Subject Code: IIC 001]

02 Credits

AN INTRODUCTION TO INDIAN CONSTITUTION

Unit I

1. Meaning and Concept of Indian Constitution
2. Nature of Constitution
3. Brief Idea of Indian Constitution
[Parts, Articles and Schedule]

Unit II

Silent Features of Indian Constitution

1. Written and Enacted Constitution; 2. The longest and most detailed Constitution of the World; 3. Rigidity and Flexible Constitution; 4. Parliamentary system of Government; 5. Federal system with unitary bias; 6. Adult Franchise; 7. Single Citizenship; 8. Sovereign, Democratic, Republic; 9. Secularism; 10. Directive Principles of State Policy; 11. Independent Judiciary; 12. Fundamental Rights; 13. Fundamental Duties.

Unit III

A. Fundamental Rights

1. Concept of State (Art. -12); 2. Right to Equality (Art. -14 to 18); 3. Right to Freedom (Art. -19 to 22); 4. Right against Exploitation (Art. -23 & 24); 5. Right to Religion (Art. -25 to 28); 6. Right of Minorities (Art. -29 & 30); 7. Constitutional Remedies (Art.-32).

B. Fundamental Duties (Art.-51 A)

Unit IV

Directive Principles of State Policy (DPSP's)

1. Meaning and Significance of Directive Principles.
2. Classification/ Principles of D.P.S.P.
3. Relationship between F.Rs. and D.P.S.P.

Unit V

Executives

A) Union Government

The President, Council of Ministers and Prime Minister.

B) State Government

The Governor, Council of Ministers and Chief Minister.

• **References**

1. Constitution of India, Bare Act. Govt. of India.
2. Subhash C Kashyap, Our Constitution (AN Introduction of Indian Constitution and Constitutional Law, National Book Trust, India 2001.
3. Avasthi & Maheshwari, Indian Constitution, Lakshmi Narain Agrawal Agra, 2017.
4. Basu D.D., Introduction to the Constitution of India, Lexis Nexis, 2013.
5. Sharma L.N. Indian Prime Minister, the Macmillan Company of India, 1976.
6. Jain H.M. Union Executive, Chaitanya Publishing House, 1969.
7. Dr. S.N. Busi, Dr. B.R. Ambedkar, Framing of Indian Constitution, 1st Edition, 2015.
8. M.P. Jain, Indian Constitution Law, 7th Edn., Nexis 2014.
9. M.P. Jain, Outlines of Indian Legal and Constitutional History, Lexis Nexis, 2014.
10. भारताचे संविधान.
11. प्रदिप गायकवाड, (संपादक) भारताचे संविधान शिल्पकार डॉ. बाबासाहेब आंबेडकर दिक्षाभूमी संदेश, नागपूर २००६.
12. ग्रॅनव्हिल ऑस्टिन, अनुवाद भारती केळकर भारताची राज्यघटना, राष्ट्राची कोणशिला, डायमंड पब्लिकेशन, पुणे २०१३.
13. डॉ. भा.ल. भोळे, भारताचे शासन आणि राजकारण, विद्या प्रकाशन, नागपूर.

Nate: All latest volumes of above mentioned books must be preferred. The above list of books is not an exhaustive one.

Internal Test (45 Minutes)
Home Assignment
Theory Paper (02 Hours)

10 Marks
10 Marks
30 Marks

| | | | |
|-----|----------------------|--|----------|
| [1] | Section - [A] | Ten MCQ Carrying One Mark each | 10 Marks |
| [2] | Section - [B] | Two Short Questions Carrying 5 Marks each Out of Five Questions Students have to Attempt any two | 10 Marks |
| [3] | Section - [C] | One Long Question, Out of Three Questions Students have to attempt any one | 10 Marks |

**Note: - This Course is bilingual (English & Marathi)
The Examination will also be bilingual.**

COURSE MODULE ON COMMUNICATION SKILLS AND PERSONALITY DEVELOPMENT (CSPD)



**Rafiq Zakaria Campus
Y B CHAVAN COLLEGE OF PHARMACY
Rauza Baugh, Aurangabad**

CONTENTS

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| 2. Course content – basic level - Communication skills. | 4 |
| 3. Course content – advance level – Personality development. | 5 |
| 4. References. | 6 |

PREFACE

Scope:

Being able to communicate effectively is the most important of all life skills. In today's competitive world, communication skills are the most sought after quality of an educated person. Reading, writing and listening carefully are the three most important communication skills for students. These skills like most of the communication skills sounds too familiar as a result of which we take them for granted.

Communication is simply the act of transferring information from one place to another. It may be vocally (using voice), written (using printed or digital media such as books, magazines, websites or emails), visually (using logos, maps, charts or graphs) or non-verbally (using body language, gestures and the tone and pitch of voice).

At the end of this course the student will get the soft skills set to work cohesively with the team as a team player and will add value to the pharmaceutical business.

Objectives:

Upon completion of the course the student shall be able to:

1. Communicate effectively (verbal and non verbal)
2. Effectively manage the team as a team player
3. Develop interview skills.
4. Develop Leadership qualities and essentials.
5. Understand important of interpersonal communication skills: They are important in a wide range of circumstances and environment: probably, in fact, they help whenever one meets and interacts with people.
6. Develop good communication skills to build relationships, both professionally and personal level.
7. Improve presentation skills.

BASIC LEVEL:

I. COMMUNICATION SKILLS

Unit I: Verbal communication

Basics of communication: How to learn the language.

Communication Skills:

Introduction, Definition, the importance of communication, the communication process – Source, Message, Encoding, Channel, Decoding, Receiver, Feedback, Context

Barriers to communication:

Physiological Barriers, Physical Barriers, Cultural Barriers, Language Barriers, Gender Barriers, Interpersonal Barriers, Psychological Barriers, Emotional barriers

Concept of communication: Different types of communication – interpersonal, intrapersonal, group communication, verbal communication, non-verbal communication, mass communication, persuasive communication, business communication.

Formal communication and informal communication.

Non verbal communication: Body language, eye contact, clothing, gestures, voice tone, dining table etiquettes, posture, social media etiquettes.

Unit II: Over view of English grammar:

Parts of speech, figures of speech

Vocabulary: Types of words: homophones (sea, see) and homonyms (bark₁, bark₂), antonyms, synonyms, acronyms, abbreviations, prefix and suffixes, idioms and phrases.

Fun games to build vocabulary

Unit III: Listening and reading skills

Active and passive listening

Fun games to enhance listening skills, building vocabulary.

Unit IV: Speaking skills

Self introduction, construction of sentences, how to make effective English communication.

Stress and intonation pattern in spoken English.

Common errors in Indian spoken English

Most common mispronounced words, misspelled words, confusing words.

Role play

Extempore

ADVANCE LEVEL

II. PERSONALITY DEVELOPMENT

Definition of Personality development and soft skills:

Personality and personality development, emotional intelligence, knowing self, self Assessment, ability to introspect, strengthening qualities and overcoming weaknesses. Developing the habits of success.

Presentational skills: preparing good CV / bio-data, audio and video CV, creating blog, professional connectivity through web and social media, power point presentation, stage communication skills, conducting workshops and project reports, report writing skills and graphics. Creating blog, professional connectivity through web and social media, power point presentation.

Oral Presentation:

Dealing with fears, planning your presentation, structuring presentation, delivering presentation, techniques of delivery.
Posture/appearance/attire, voice modulation.
How to develop confidence, dos and don'ts.

Unit V: Writing skills

Identification of different writing styles: expository, persuasive, descriptive and narrative.

Netiquettes: General tips on online communication through emails and cell phone communication, social media. Email writing, business letters.

Report writing / research paper writing, job applications and CV/Resume writing, visume making.

Unit VI: Extempore:

- a. Basics: Do's and Don'ts.
- b. How to overcome stage fear.
- b. Extempore sessions in class.

Unit VII: Group discussion:

- a. Basics: Do's and Don'ts
- b. Group discussion in class, structured and unstructured.
- c. Body language

Unit VIII: Personal Interview:

- a. Dos and Don'ts
- c. Body language
- d. Telephonic conversation/interviews.
- e. Getting ready for interview.
- f. Mock interview sessions

Unit IX:

Social etiquettes: Tips on general soft skills in student life, professional and personal life.

Habits: identifying good and bad habits.

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