



SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S  
**SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND  
SCIENCE, AKOLA**

NEAR SHIVAJI PARK, AKOLA – 444003

(NAAC Reaccredited with A++ Grade, CGPA- 3.58)

UGC Status of College with Potential for Excellence, Lead College Status by Parent  
University, DST FIST Support

Website: [www.shivajiakola.ac.in](http://www.shivajiakola.ac.in)

**Criterion- 1**

**1.3.2 Experimental/ Experiential learning through Project work, field work,  
Internship etc. (2022-23)**

**SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE**  
**AKOLA (MS)**

**DEPARTMENT OF ZOOLOGY**

**CERTIFICATE**

Following Post Graduate Students of Department of Zoology has completed PG Dissertition for their partial fulfilment of Masters degree in Zoology under the guidance of Departmental faculty members during the academic year 2022-23.

<b>Sr. No.</b>	<b>Name of PG Students</b>	<b>Title of Dissertation</b>
1	Ms. Saleha Tabassum	<i>“Moths (Lepidoptera) of Shri Shivaji College of Art, commerce &amp; Science and Adjoining Areas, Akola: an Initial Checklist”</i>
2	Ms. Alfiya Arzoo	<i>“Moths (Lepidoptera) of Shri Shivaji College of Art, commerce &amp; Science and Adjoining Areas, Akola: an Initial Checklist</i>
3	Ms. Parveen Khan	<i>Dragonfly(Anisoptera)of Shri Shivaji College of Art, commerce &amp; Science and Adjoining Areas, Akola: an Initial Checklist</i>
4	Ms .Heena Sheikh	<i>Diversity of Spider of Shri Shivaji College of Art, commerce &amp; Science and Adjoining Areas, Akola: an Initial Checklist</i>
5	Ms.Rupali Tayade	<i>“Dragonfly(Anisoptera)of Shri Shivaji College of Art, commerce &amp; Science and Adjoining Areas, Akola: an Initial Checklist</i>
6	Mr.Akshay Harne	<i>“Review Work On Diversity of moths (Lepidoptera: Heterocera) and their Potential role as a conservation tool in protected areas of Katepurna wildlife Sanctuary of Akola (M.S.)”</i>
7	Ms.Rupali Jalamkar	<i>“Distribution And Diversity Of Hemiptera Fauna Of Katepurna Wildlife Sanctuary, Akola District, Maharashtra, India”</i>
8	Ms.Tejaswini Raut	<i>Preliminary study on diversity of coleopteran fauna from Katepurna region, District Akola, Maharashtra, India ”</i>
9	Mr.Sumedh Sapkal	<i>Study Diseases like Malaria, Chikangunya and Dengue caused by Mosquitoes in Akola District of Maharashtra(M.S.)</i>

10	Ms.Yashshri Ingale	Study of web pattern in Spider of Akola region Maharashtra.
11	Ms.Supriya Solanke	Studies of Insect associated with Calatropis gigantean in Akola city of Maharashtra India and Their Potential role as a Conservation tppl in protected areas of Katepurna wildlife Sanctuary of Akola (M.S.).
12	Ms.Manisha Raut	StGrasshopper (Orthoptera) in Katepurna Forest, Akola District of Maharashtra (India) Wildlife Sanctuary of Akola (M.S.)
13	Mr.Parash Sapkal	Aquatic insect of Kapsi Lake Region Akola
14	Ms. Vrushali Sadashiv	Ant Diversity of Kapsi Lake, Akola
15	Ms. Massarat Jahan Kashif	Bovine Milk Usage and Feeding Practices for Infants in Akola
16	Ms. Meenal Prabhe	Diversity of Crabs of Kapsi Lake, Akola, Maharashtra.

Date: 23/09/2023

**Dr. P.P. Ade**

Professor & Head,  
Dept. of Zoology

**Dr. A. L. Kulat**

Principal  
Shri Shivaji College of Arts, Commerce and  
science, Akola

**Shri. Shivaji College of Arts, Commerce & Science, Akola**  
**Department of Microbiology**  
**List of P. G. Dissertation**  
**Session 2022-23**

Sr. No.	Name of student	Topic Title	Guide Name
1	Mr. Mahesh D. Pagrut	Evaluation of Antimicrobial efficacy of Citrus fruits against clinical isolates	Dr.S.N.Zodpe
2	Mr. Mohd Ummaid Mohd Idris	Microbial profile of Leachate & study of its physicochemical analysis	Dr.S.N.Zodpe
3	Ms. Rani V. Jadhao	Antibiogram pattern & Biofilm formation by uropathogenic <i>E.coli</i>	Dr.S.N.Zodpe
4	Mr. Rutvij B. Dahenkar	Screening of DNase producers from diverse soil sample	Dr.S.N.Zodpe
5	Ms. Sakshi V. Rathod	Prevalence of <i>S.aureus</i> from various clinical samples & study of its Antibiogram pattern	Dr.S.N.Zodpe
6	Ms. Samiksha S. Mohod	The Prevalence of uropathogenic <i>E.coli</i> & study of its Antibiogram pattern	Dr.S.N.Zodpe
7	Ms. Samruddhi S. Fokmare	Evaluation of Antimicrobial efficacy of <i>Murraya koenigii</i> plant leaf extract against <i>E.coli</i> isolated from different sources	Dr.S.N.Zodpe
8	Ms. Shraddha M. Madghe	To Evaluate the potential of water Hyacinth Plant <i>Eichhornia crassipes</i> in waste water treatment	Dr.S.N.Zodpe
9	Mr. Shyam R. Pagrut	Assesment of bacterial contamination from paper currency & study of its Antibiogram pattern	Dr.S.N.Zodpe
10	Mr. Vidur P .Kurmi	To Evaluate the Antibacterial efficacy of different cleaning agents in water treatment	Dr.S.N.Zodpe
11	Aishwarya Punase	Antimicrobial activity of honey against pathogen from wound infection	Dr.M.S.Thakare
12	Mahak Mokati	Isolation and Identification of metal tolerant and antibiotic resistant bacteria from soil samples.	Dr.M.S.Thakare
13	Pratiksha Vakil	Isolation and Identification of fungi and bacteria from spoil citrus fruit and antimicrobial activity of herbal oils.	Dr.M.S.Thakare

14	Rashid Khan	Isolation and Identification Phosphate Solubilizing Bacteria from Soil	Dr.M.S.Thakare
15	Rushikesh Aherkar	Production of silage by microbial fermentation	Dr.M.S.Thakare
16	Madhura Ganorkar	Prevalence os S.aureus from Milk & milk products	Dr.D.L.Barate
17	Mohammad Talib	Isolation and Determination of Antibiotic Suceptibility Pattern of pathogenic bacteria from fresh fruit juices collected from Akola City	Dr.D.L.Barate
18	Nikita Sonar	Isolation of tyrocinase producing bacteria from Rhizospheric soil	Dr.D.L.Barate
19	Priti Sharma	Prevalence & Antibiotic Suceptibility Pattern of <i>E.coli</i> isolated from Drinking water samples of Akola City	Dr.D.L.Barate
20	Mr. Rohit Shegokar	Comparitive study of Citric Acid producing bacteria using different Fruit Peels	Dr.D.L.Barate
21	Ms. Sakshi Nawale	Studies on Isolation of Plant growth promoting Azatobacter spp from soil samples	Dr.D.L.Barate
22	Ms.Vaishnavi Dhore	Studies on efficacy of disinfectants against pseudomonas aeruginosa isolated from non clinical hospital environment	Dr.D.L.Barate
23	Ms. Vaishnavi Kogade	Studies on antimicrobial potential of Actinomycetes spp isolated from Rhizospheric soil against clinical pathogens	Dr.D.L.Barate
24	Ms.Vibha Kurmi	Prevalence & Antibiotic Suceptibility Pattern of Salmonella spp isolated from vended foods in Akola City	Dr.D.L.Barate
25	Mr.Abhishek Deshmukh	The studies of Suceptibility Pattern of ESBL producers in urinary isolates of <i>E.coli</i>	Ms.S.V.Narwade
26	Ms.Snehal Masram	ESBL production in Gram negative bacteria with multidrug resistance pattern	Ms.S.V.Narwade



Principal,  
Shri Shivaji College of Arts,  
Commerce and Science, Akola

**Shri. Shivaji College of Arts, Commerce & Science, Akola**  
**Department of Microbiology**  
**List of P. G. Dissertation**  
**Environment related Topics**  
**Session 2022-23**

Sr. No.	Name of student	Topic Title	Year
1	Mr. Mohd Ummaid Mohd Idris	Microbial profile of Leachate & study of its physicochemical analysis	2022-23
2	Mr. Rutvij B. Dahrenkar	Screening of DNase producers from the diverse soil sample	2022-23
3	Ms. Shraddha M. Madghe	To Evaluate the potential of water Hyacinth Plant <i>Eichhornia crassipes</i> in wastewater treatment	2022-23
4	Mr. Vidur P. Kurmi	To Evaluate the Antibacterial efficacy of different cleaning agents in water treatment	2022-23
5	Rashid Khan	Isolation and Identification Phosphate Solubilizing Bacteria from Soil	2022-23
6	Mahak Mokati	Isolation and Identification of metal-tolerant and antibiotic-resistant bacteria from soil samples.	2022-23



Dr. A. L. Kulat

**PRINCIPAL**

**Shri Shivaji College of Arts,  
Commerce & Science Akola**

**A++ Grade CGPA.3.58 by NAAC**

**SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA (MS)**

**List of Projects allotted to students**

**Department of Home Science**

**2022-23**

**Dissertation list**

**Name of Examination: M.Sc. Part II Home Science (Textile & Clothing)**

<b>Sr. No</b>	<b>Title of the Dissertation</b>	<b>Name of Students</b>	<b>Guide</b>
1.	Innovative Thread work for developing Surface ornamentation of Textiles	Asawari Ashokrao Nabde	Mrs. Anjali Surywanshi
2.	Application of Eco-Friendly Dabu Print Fabric for Product Development	Pratiksha Arun Wadakar	Reshma Parveen Shaikh
3.	Formulation and Marketing of Innovative Jewellery for Sustainable textile Waste Management	Priyanka Ramesh Tambatkar	Dr. Anjali Kaware
4.	Empowerment of Self Help Group through Functional Entrepreneurship	Sakshi Surendra Ranekar	Dr. Anjali Kaware
5.	Textile Accessory Designing for Sustainable Fashion	Swapnali DnyandevDandgule	Reshma Parveen Shaikh



Dr. A. L. Kulat

**PRINCIPAL**  
Shri Shivaji College of Arts,  
Commerce & Science Akola  
A++ Grade CGPA.3.58 by NAAC

**SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA (MS)**

**Name of Examination: M.Sc. Part II Home Science (Human Development)**

<b>Sr. No</b>	<b>Title of the Dissertation</b>	<b>Name of Students</b>	<b>Guide</b>
1.	Influence of Internet Use Upon Life Style of Early Adulthood Girls	Pranita Purushottam Rathod	Dr. Anjali Kaware

**Name of Examination: M.Sc. Part II Home Science (Food Science & Nutrition)**

<b>Sr. No</b>	<b>Title of the Dissertation</b>	<b>Name of Student</b>	<b>Guide</b>
1.	Impact of Eating Habits of Parents on Children's Dietary Choices	Adina Naaz Mohammad Jafar	Mrs. Anjali Surywanshi
2.	Assessment of Health Status of Individuals Following ' Fasting'	Apurva Dhnraj Kumbhre	Dr. Anjali Kaware
3.	Nutrition Intervention of Fruit & Vegetable Intake for Middle- School Children	Atufa Asfi Ansar Ahmad Khan	Mrs. Anjali Surywanshi
4.	Caffeine Consumption and Health Status of Individuals – A Study	Barira Aimen	Dr. Anjali Kaware
5.	Assessment of the Diet Quality on Sleep Pattern	Divya Daberao Tathod	Shabnam Behlim
6.	Assessment Of The Health Status And Diet Pattern Of Daily Traveller	Jayashree Jamneek	Mrs. Anjali Surywanshi
7.	Role of Diet Quality on Physical Activity	Mahevish Sameen Irshd	Dr. Anjali Kaware
8.	Diet and Mood Intertwined : A Study	Megha Shivshkar Gupta	Dr. Anjali Kaware
9.	Stress Level and Eating Behaviour of Early Adulthood	Mehwash Fatema zafar ahmed	Shabnam Behlim
10.	Role and Effects of Breakfast Pattern on the Routine Activity Efficiency	Neha Naresh Jain	Mrs. Anjali Surywanshi
11.	Utilisation of Millets for Nutri Rich Recipes	Preeti Anil Harane	Dr. Anjali Kaware
12.	Evaluation of Factors Affecting Breakfast of School Going Children	Priyanka Krishnkant Purohit	Dr. Anjali Kaware
13.	Assessment of Diet Relationship between Health Profile	Ruchita Suresh Shende	Dr. Anjali Kaware



14.	Anaemia Awareness Education Module for Women	Rutuja Ravidra Khadare	Mrs. Anjali Surywanshi
15.	Smartphone use associated with unhealthy eating & overweight in Teenagers.	Shilpa Vilas Khndare	Dr. Anjali Kaware
16.	Analysis of the Dietary Interventions in PCOD Cases.	Sharwari Rajesh Chopde	Shabnam Behlim
17.	Education Module about Health and Food Habits for Rural Adolescents	Tisha Gopal Kotak	Mrs. Anjali Surywanshi
18.	Assessment of the Health Status and Reason for Tobacco Consumption	Quazi Zeenat Sadiq Ali	Dr. Anjali Kaware
19.	Utilization of Corn Milk for the Preparation of Dessert	Bhagawati S. Malani	Dr. Anjali Kaware



Dr. A. L. Kulat

**PRINCIPAL**  
**Shri Shivaji College of Arts,**  
**Commerce & Science Akola**  
**A++ Grade CGPA.3.58 by NAAC**

SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA

Department of Electronics

Projects Undertaken by B.Sc. III S-VI Students during 2022-23		
Batch	Names of the Student	Project Name
1	Ku S N Rothe	Motion Sensor Light
	Ku T A Akhare	
	Ku I A Dhumale	
	Ku S R Kaulkar	
2	A S Dongre	OTP Smart Lock
	B S Wakode	
	H V Mankar	
	P S Chaudhari	
	T A Gharde	
3	M B Ghate	Pulse Width Modulation
	S V Shejao	
	K S Neware	
	R S Ghogare	
4	Ku P P Jamnik	Multivibrator
	Ku Intesham Saher	
	Ku Ashwini Kale	
	Ku Vaishali Dongre	
	Nashra Anam	
5	Gaurav Dikholkar	Automatic Light ON/OFF using IR Sensor
	Ku Vaishnavi Kakad	
	Abhishek Gase	
	Atish Chavan	
	Aditya Kathole	
6	Ku Prerna Umale	Light Following Robot
	Ku Ankita Rathod	
	Ku Manasi Mawale	
	Ku Priti Girhe	
	Ku Sandhya Tayade	

7	Ku Gayatri Umalkar	Laser Home Security System
	Ku Anjali Jamnik	
	Ku Priti Dambalkar	
	Ku Priti Dhumale	
	Ku Shweta Samdur	
8	Pawan Sarap	Wireless Sound Transmission through the Light
	Pankaj Rathod	
	Aditya Choudhari	
	Nakul Modak	
	Sanket Bhosale	
7	Prajyot R Khandare	Digital Clock
	Vijay A Mhasaye	
	Srikant V Dhande	
	Nikhil S Kakade	
	Abhishek Wagh	

  
In charge Teacher

**Dr. Niteen S. Mohod**




S.G.B, AMRAVATI UNIVERSITY SEMESTER PRACTICAL EXAMINATION S-2023.

M. Sc-II SEMESTER- IV

PROJECT / DISSERTATION

**List of Students with Project Title**

S. N	Name of the Student	Project Title
1	Alfiya Sadaf	Comparative Anatomical Study of Some Plant Species of Family Amaranthaceae
2	Divya Jangale	Morphotaxonomy and Pharmacognostic study of <i>Ocimum tenuiflorum</i> L.
3	Dnyaneshwar Dhore	Qualitative Phytochemical Study on <i>Argyria nervosa</i>
4	Dnyaneshwari Nanote	Effect of Xenobiotic compounds like detergent and Shampoo on the Plant Germination and Growth
5	Gayatri B.Tupsande	Comparative Studies on Extraction of Natural Perfume from some Plants Found in Akola Region.
6	Janhavi Rayate	Proximate Phytochemical Analysis of <i>Costus speciosus</i>
7	Namira Firdous	Morphology, Phytochemical Study Anatomy of <i>Cissus quadrangularis</i> L.
8	Pooja Umale	Mycorrhizal Association in some crop plant species of Family Fabaceae
9	Rutuja G. Lale	Preliminary Phytochemistry and Anatomy of <i>Grangea maderaspatana</i> from family Asteraceae.
10	Sankalp Gajghate	Formulation and Evaluation of plant Based UV Protective Lip Balm from <i>Bixa Orellana</i> L. Seeds
11	Sanskriti A. Bajare	Comparative Studies of With and Without Seed Paper on Growth and Development of Some Plant Species.
12	Shreya Giri	Preliminary Phytochemical Screening And Antimicrobial activities of Some Citrus species
13	Snehal S. Lade	Formulation and Evaluation of Herbal Face Packs.
14	Sonal Wankhade	Evaluation of Effect of Aqueous Extract of Organic Fertilizer on Seed Germination and Plant Growth.
15	Vaishnavi Pophale	Evaluation of Preliminary Phytochemicals and Antioxidant Properties of Some wild Edible Plants <i>Oxalis corniculata</i> Linn, <i>Cocculus hirsutus</i> (L.) and <i>Boerhavia repens</i> L.
16	Vaishnavi S. Pakdhane	Solid Waste Management of Flower Waste From Temple
17	Vedika warankar	Morphotaxonomy and Pharmacognostic study of <i>Ocimum gratissimum</i> L.

  
Head  
Department of Botany  
Dnyaneshwar College, AKOLA.

# Shri Shivaji College of Arts, Commerce and Science, Akola

## Department of Biochemistry M.Sc. Projects Year 2022-23

S. No	Name of the student	Name of the Project	Name of the guide
1	Jaya Santosh Ghonge	"Preliminary phytochemical analysis and invitro antioxidant and antihemolytic activity of ethanolic leaf extract of <i>Psidium guajava</i> ."	Dr. Ashwini A Balode
2	Neha Manoj Ingle	In vitro evaluation of antiurolithic and antihemolytic activity of acetone extract of various wonder seeds.	
3	Suhas Ghoral	A Study to explore the biochemical parameters and comparative analysis of fiber content of some millets and non millets	
4	Abhishek Gawande	In-Vitro anti-ulcer activity of <i>Polygonum barbatum</i> leaf extract and biosynthesis of silver nanoparticles for its antimicrobial activity	
5	Rushikesh Awachar	Isolation of solanine from tomato leaves and evaluation of its antibacterial activity”	
6	Abhishekh Bharsakle	Study on Comparative Analysis of In-Vitro Anthelmintic activity of different solvents extracts of Brassica nigra Linn. seeds and Sesamum indicum seeds	
7	Vidnyapti Paravatkar	Aqueous Jamun leaf extract as a cell growth promoter of Probiotic bacteria (lactobacillus)	
8	Neha Padmane	Phytochemical screening and TLC fingerprinting of fenugreek seeds	Sanjiv M Patil
9	Preeti Wankhade	Exploring the role of Genetics and Medication in systemic lupus erythematosus : A case study.	
10	Shubham Sanap	Design and development of Prosthetic hand for hand-amputated people.	
11	NihkilMhaske	Comparative study of in-vitro assay of alpha - amylase inhibitory activity of plant extracts of Trigonella foenum-graecum , Withaniacoagulans, Phoenix dactylifera”	
12	Prasad Goghre	"Effect of Psychological Stress on Salivary Alpha AmylaseActivity in Under-Graduation Students"	
13	Shubhangi Khedkar	Comparative study of in-vitro assay of alpha - amylase inhibitory activity of plant extracts of Trigonella foenum-graecum , Withaniacoagulans, Phoenix dactylifera”	
14	Sayali Diwnale	Comparative study of various wheat varieties from Akola region	
15	Sakshi Awandkar	Study of Inhibitory Activity of Moringa Oleifera Leaf extract's Silver Nanoparticles on alpha- amylase as a possible therapeutics for Diabetic Cataract	

16	Vaishnavi Khondil	In-vitro Study Of Effect Of Terminalia Arjuna On Uric Acid .	Ravi L Dabhade
17	Vaishnavi Mali	The Effect of UV Radiation on Structural Confirmation and Alpha Amylase Activity	
18	Pooja Anant Khadse	The Preparation of Biodiesel from mustard oil, Sesame oil and waste oil.	
19	Rishabh Tiwari	Stomatal density	
20	Atufa Tasneem Khan	In-Vitro comparative study of total antioxidant power and caffeine content in Green tea, Black tea and Blue Tea	
21	Pragati Raut	Study of some important physical properties of selected oil samples and its antibacterial activity	
22	Punam Waghmare	Millets: The Future Need	Sachin S Bhutekar
23	Prajakta Bhade	"Preparation of biofertilizers from Plant and Animal Waste"	
24	Komal Lokhande	Extraction of vitaminE from soya oil	
25	Tanveer Baig	Production of Jujube Fruit Wine	
26	Preeti Nimbalkar	Study of aeromycoflora of Lavatory in college campus	
27	Sakshi Dewar	Organic Amino acid Production	



Dr. A. L. Kulat

**PRINCIPAL**  
**Shri Shivaji College of Arts,**  
**Commerce & Science Akola**  
**A++ Grade CGPA.3.58 by NAAC**

**Shri Shivaji College of Arts, Commerce and Science, Akola P.G.**  
**Department of Physics**  
**M.Sc-II [Physics] SEM-IV (2022-23)**  
**PROJECT**

SN	Name of Students	Project Name	Name of Guide
1	Arati Sadashiv Karanjkar	Dielectric study of Olive oil and Sunflower oil.	Prof. S.B. Sawarkar
2	Archana Gajanan Pachpor	Study and characterization of soil in Akot region. (Belura village)	Dr. V. G. Thakare
3	Chanchal Vinod Shaiwale	Study and characterization of soil in Akot (Pimpri village).	Dr. V. G. Thakare
4	Izram Fatema Abdul Aziz	Dielectric study of some unani massage oils	Prof. R. V. Salodkar
5	Kalyani J Fokmare	Adiabatic compressibility, intermolecular free length and specific acoustic impedance of dietary fiber in water	Prof. R. V. Salodkar
6	Mahesh Gulab Rathod		
7	Mariya Mairaj Kursheed	Dielectric study of some mixed edible oils	Prof. R. V. Salodkar
8	Rutuja S Ambadkar	"Adiabatic compressibility, intermolecular free length and specific acoustic impedance of some homeopathic (q) liquids	Prof. R. V. Salodkar
9	Salma Kausar Ibrahim	X-ray diffraction study of some cobalt (II) complexes of barbuteic acid.	Dr. J. V. Bhale
10	Sharda Muralidhar Bathe	Study of physical and medicinal properties of Hair dye prepared by Green route.	Dr. M.R. Belkhedkar
11	Shravani Aniruddha Deshpande	Preparation and characterization of zirconium selenite thin films deposited by successive ionic layer adsorption and reaction method.	Dr. M.R. Belkhedkar
12	Shweta Anil Shaiwale	Dielectric properties of glycerol.	Prof. S.B. Sawarkar
13	Shyam Shrikrushna Sable	To study Carbon monoxide (CO) in PPM in different location using UNO Arduino and gas sensor.	Dr. V. G. Thakare
14	Syed Danish Sd Siddique	Preparation and characterization of Cobalt Selenide thin films deposited by successive ionic layer adsorption and reaction method.	Dr. M.R. Belkhedkar
15	Syed Faiz Syed Babu	Preparation and characterization of Barium Selenide thin films deposited by successive ionic layer adsorption and reaction method.	Dr. M.R. Belkhedkar
16	Syed Saquib Raja Syed Ali	Dielectric study of some mixed unani oils.	Prof. S.B. Sawarkar

SBS - 2  
VGT - 3  
RVS - 4  
JVB - 1  
MRB - 4  
15


  
01/05/2023

**Shri Shivaji College of Arts, Commerce and Science, Akola**  
**Department of Forensic Science**

Class: B.Sc. Part II (FRS + Chem + Biochem)

**Students' Topic Alloted**

Sr. No.	Name of Students	Topic Alloted
1	Aishwarya Rajesh Wagh	<b>Absent</b>
2	Akansha Jayprakash Rawat	External ballistic
3	Akash Rajesh Hood	<b>Absent</b>
4	Akshay Prakash Yenkar	Ammunition
5	Dhanashree Surendra Deshmukh	GM counter / optical fibre
6	Dnyaneshwari Yuvraj Kadam	Tool marks
7	Gaurav Nandkishor Tarale	Forensic photography
8	Jiya Sunil Kotak	Fiber optics
9	Kaustubh Pravin Thakare	Forensic photography
10	Khushi Dipakrao Latal	Terminal ballistic
11	Mallaika Farheen S.	Laser
12	Mayur Rajesh Raibole	Radioactivity
13	Nisha Mohan Yadav	SEM
14	Palak Deepak Mohta	TEM
15	Pallavi Nitin Rathod	Internal ballistic / stereomicroscope
16	Pavan Nandkishor Ambhore	Microscope / external ballistic
17	Prerana Balu Mandwe	Compound microscope
18	Puja Rajesh Yutakar	Spectroscopy
19	Rashmi Vijay Mhaske	<b>Absent</b>
20	Rohini Ramakant Bhople	Radio activity (carbondating)
21	Rupali Ravindra Thorve	External ballistic
22	Saloni Sunil Maliye	Fiber optics
23	Saniya Firdous Fahimuddin .	Polarizing microscope
24	Soham Arun Joshi	Compound microscope
25	Trupti Vinod Tole	Laser
26	Vaishnavi Gajanan Waghode	Polarizing microscope
27	Vaishnavi Mahadev Mirge	Glass fracture

  
**Head**  
**Department of Forensic Science**  
Department of Forensic Science,  
Shri Shivaji College of Arts,  
Commerce & Science, AKOLA  
A Grade C.GPA.3.24 by NAAC



**SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI.**

**SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA. S- 23**

**Class -B. Sc. II Sem. IV Internal Assessment Project Allotment Subject- Chemistry**

<b>Sr. No</b>	<b>University Roll No.</b>	<b>Name of The Student</b>	<b>Project</b>
1	21AB113776	Aachal Dashrath Yadav	Transition elements. General characteristics of transition elements. Comparative study of first transition series elements (3d) with reference to following properties: (i) Electronic configuration (ii) Atomic and ionic size, (iii) Magnetic properties
2	21AB113779	Aamena Parveen Zahed Khan	Comparative study of first transition series elements (3d) with reference to following properties: i) Ionization energy (ii) Metallic nature (iii) Oxidation states
3	21AB113780	AayeshaTehreem Mohd Khan	Comparative study of first transition series elements (3d) with reference to following properties: (i) Color of salts (ii) Catalytic properties (iii) Complex formation behavior.
4	21AB113781	Abdul Sohail Abdul Saeed	Study of 4d and 5d series elements-Electronic configuration.
5	21AB113784	Abhishek Babymadhvan Nair	Comparison of 3d series elements with 4d and 5d series elements with respect to size, oxidation states, magnetic properties and color.
6	21AB113788	Achal DevidasCheke	Principles involved in extraction of elements. Major methods of extraction of elements
7	21AB113789	Achal Gajanan Wankhade	Factors affecting choice of extraction method. Thermodynamics of reduction processes-Ellingham diagrams for oxides and importance of this diagram (only preliminary ideas)
8	21AB113790	Deeba Azhar Khan	Lanthanides and Actinides Comparative study of Lanthanides with respect to following properties:(i) Electronic configuration (ii) Atomic and ionic radii lanthanide contraction definition, cause and effect of lanthanide contraction
9	21AB113790	Adeeba Azhar Momin	Lanthanides and Actinides Comparative study of Lanthanides with respect to following properties: i) Oxidation states (ii) Magnetic properties
10	21AB113791	Adesh Narayan Telgote	Lanthanides and Actinides. Comparative study of Lanthanides with respect to following properties: i) Color of salts (ii) Complex formation behavior.
11	21AB113793	Adila Khanam Naseemullah Khan	Occurrence of lanthanides. Isolation of lanthanides by ion exchange method
12	21AB113801	Aditya Shivadas Gawande	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
13	21AB113802	Aditya Subhash Dongre	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation

14	21AB113803	Aditya Sudhir Sadanshiv	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
15	21AB113807	Aishwarya Rajesh Wagh	Naphthalene - Haworth synthesis, orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
16	21AB113808	Akansha Jayprakash Rawat	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid, succinic acid, glutaric acid, crotonic acid and malonyl urea
17	21AB113810	Akash Kailash Ingle	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
18	21AB113811	Akash Rajesh Hood	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
19	21AB113813	Akshay Prakash Yenkar	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures only determination not needed).
20	21AB113818	Alfiya Firdous Akbar Mohd	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
21	21AB113819	Alfiya Mohd Najeebuddin Khatib	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub> (aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction, alkylation, Hoffmann's exhaustive methylation and its mechanism.
22	21AB113820	Alfiya Tabasum Atik Sk	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene, phenol, halobenzene, nitrobenzene, benzonitrile, coupling with phenol and aniline
23	21AB113821	Aliya Anjum Mohd Iqbal	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
24	21AB113823	Amatul Anam Baig Mirza	Definition and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of boiling point and molar mass of a non-volatile solute
25	21AB113824	Amber Firdous Ab. Rahman Sk	Cotrell's method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship

			between depression of freezing point and molar mass of a non-volatile solute. Rast's method for determination of depression of freezing point
26	21AB113825	Amima Saher Sk. Azimuddin	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
27	21AB113826	Anagha Anil Barsagade	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.
28	21AB113827	AnamMahreen Zeeya Ah.	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance $d(h,k,l)$ from Miller indices in a cubic system.
29	21AB113829	Aniket Vishnu Tayade	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system
30	21AB113833	Ankita Ramesh Raut	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
31	21AB113835	Ankita Shankar Satav	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
32	21AB113838	Ankush Ramesh Mangulkar	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray
33	21AB113839	Anu Lallan Patel	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
34	21AB113840	Apeksha S. Nimkarde	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
35	21AB113841	Apurva Rajendra Deshmukh	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
36	21AB113843	Arpan Pramod Dhande	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
37	21AB113844	Arpita Gajanan Bochare	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid , succinic acid, glutaric acid, crotonic acid and malonyl urea
38	21AB113849	Ashwini Hari Rathod	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid,

			glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
39	21AB113850	Ashwini Sunil Raut	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
40	21AB113852	Asma Mirza Ismail Baig	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).
41	21AB113853	Asra Firdaus RaziqueMohd.	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
42	21AB113854	Ather Khan Wahid Khan	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub> (aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction, alkylation,Hoffmann's exhaustive methylation and its mechanism.
43	21AB113855	Ayaz Firoz Khan	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene,phenol, halobenzene, nitrobenzene,benzonitrile, coupling with phenol and aniline
44	21AB113857	Ayesha Anwar Ahmed Khan	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
45	21AB113858	Ayesha Khatoon Ansar Khan	Defination and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of boiling point and molar mass of a non-volatile solute
46	21AB113859	Ayesha Parveen Mohd Aslam	Cotrell's method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship between depression of freezing point and molar mass of a non-volatile solute. Rast's method for determination of depression of freezing point
47	21AB113861	Bazila Farhat Firoz Khan	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
48	21AB113862	Bhagyashri Dhanraj Wankhade	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.
49	21AB113864	Bushra Anam Saleem Khan	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance d(h,k,l) from Miller indices in a cubic system.

50	21AB113867	Damini Laxman Shivankar	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system
51	21AB113872	Deep Anil Akhatkar	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
52	21AB113875	Dhanashree Surendra Deshmukh	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
53	21AB113876	Dhanashri Sujitrao Bodade	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray
54	21AB113877	Diksha Prabhakar Athawale	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
55	21AB113880	Dipmala Sakharam Sirsat	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
56	21AB113881	Dnyaneshwar Ramesh Shelkar	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
57	21AB113884	Dnyaneshwari Yuvraj Kadam	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
58	21AB113885	Eshvari Vilas Jalamkar	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid , succinic acid, glutaric acid, crotonic acid and malonyl urea
59	21AB113887	Farhat SehrishTamiz Uddin	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
60	21AB113888	Fauziya Anjum Abdul Patel	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
61	21AB113889	FizaAnamAnees Mohammad	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).
62	21AB113890	FizaNaazFarooqueAli	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
63	21AB113895	Gaurav NandkishorTarale	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub>

			(aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction, alkylation, Hoffmann's exhaustive methylation and its mechanism.
64	21AB113896	Gaurav Santosh Gaikwad	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene, phenol, halobenzene, nitrobenzene, benzonitrile, coupling with phenol and aniline
65	21AB113899	Gauri Dipak Dod	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
66	21AB113901	Gayatri Ananta Ghonge	Definition and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of boiling point and molar mass of a non-volatile solute
67	21AB113902	Gayatri Dinkar Ganjare	Cotrell's method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship between depression of freezing point and molar mass of a non-volatile solute. Rast's method for determination of depression of freezing point
68	21AB113903	Gayatri Dnyaneshwar Bhatkar	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
69	21AB113904	Gayatri Haribhau Mhasaye	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.
70	21AB113906	Gayatri Nandkishor Tale	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance d(h,k,l) from Miller indices in a cubic system.
71	21AB113907	Gayatri Narayan Jalamkar	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system
72	21AB113909	Gayatri Sanjay Khole	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
73	21AB113910	Gayatri Shankarrao Akturkar	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
74	21AB113911	Gayatri Shriram Kusumbe	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray

75	21AB113915	Haridas Kaduba Gadhave	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
76	21AB113916	Harsh Rajesh Bhosale	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
77	21AB113917	Harsh Shyam Sachdev	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
78	21AB113919	Iffat Fatema Nasir Khan.	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
79	21AB113920	IfraFirdosAarifKhan	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid , succinic acid, glutaric acid, crotonic acid and malonyl urea
80	21AB113922	Irshad Anis Khan	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
81	21AB113923	JanhaviUjwalMapari	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
82	21AB113924	Jaweriya Anjum Amjad Khan	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).
83	21AB113926	Jayshri Narayan Tajane	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
84	21AB113930	Jivan Sanghapal Pradhan	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub> (aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction, alkylation,Hoffmann's exhaustive methylation and its mechanism.
85	21AB113931	Jiya Sunil Kotak	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene,phenol, halobenzene, nitrobenzene,benzonitrile, coupling with phenol and aniline
86	21AB113935	Kalyani Vilas Ingle	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
87	21AB113938	Kapil Vijay Dongare	Defination and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of

			boiling point and molar mass of a non-volatile solute
88	21AB113940	Kaustubh Pravin Thakare	Cotrell's method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship between depression of freezing point and molar mass of a non-volatile solute. Rast's method for determination of depression of freezing point
89	21AB113942	Khudeja Mahek Dawood Anwar KH	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
90	21AB113943	Khushi Dipak Latal	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.
91	21AB113944	Khushi Nageshlal Jain	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance $d(h,k,l)$ from Miller indices in a cubic system.
92	21AB113945	Kiran Sanjay Dakhore	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system
93	21AB113949	Komal Kiran Bhatkar	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
94	21AB113950	Krishna Sunil Kakad	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
95	21AB113952	Kuldip Purushottam Gawande	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray
96	21AB113956	Lalit Rajendra Ambhore	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
97	21AB113957	Laxmi Pandurang Gopnarayan	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
98	21AB113961	Mallaika Farheen Sd Khatib	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
99	21AB113963	Mangesh Shriram Mesare	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
100	21AB113964	Mariya Simram Yasin Shaikh	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid ,



			succinic acid, glutaric acid, crotonic acid and malonyl urea
<b>101</b>	21AB113965	Masarrat Jabeen Naziruddin Syed	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
<b>102</b>	21AB113966	Maseera Firdous Kalam Abdul	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
<b>103</b>	21AB113968	Mayur Rajesh Raibole	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).
<b>104</b>	21AB113971	Mayuri Motiram Mesare	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
<b>105</b>	21AB113974	Mayuri Premdas Barade	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub> (aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction, alkylation,Hoffmann's exhaustive methylation and its mechanism.
<b>106</b>	21AB113975	Mayuri Santosh Rathod	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene,phenol, halobenzene, nitrobenzene,benzonitrile, coupling with phenol and aniline
<b>107</b>	21AB113976	Mehvash Muskan Anjum Sk	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
<b>108</b>	21AB113978	Mehwash Khanam Afroz Khan	Defination and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of boiling point and molar mass of a non-volatile solute
<b>109</b>	21AB113979	Mitali Narendra Lamsoge	Cotrell's method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship between depression of freezing point and molar mass of a non-volatile solute. Rast's method for determination of depression of freezing point
<b>110</b>	21AB113984	Mohd Arsh Anzar Ahmed Qureshi	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
<b>111</b>	21AB113987	Mohd Kashif Siraj Ah.Ansari	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.

112	21AB113990	Mohd Owais Kafil	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance $d(h,k,l)$ from Miller indices in a cubic system.
113	21AB113992	Mohd Talha Mohd Saleem	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system
114	21AB113998	Mrunali Sanjay Khulekar	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
115	21AB114000	Muskan Anjum Zakir Husain	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
116	21AB114002	Nabeela Fatema Anis Patel	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray
117	21AB114004	Naeema Tazeen Iftekar Ah Khan	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
118	21AB114007	Namrata Gajanan Bhatkar	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
119	21AB114008	Namrata Gopal Nemade	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
120	21AB114009	NayabSiddiqua Abdul Waheed	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
121	21AB114013	Nida Aafreen Ghulam Raheem Ghulam	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid , succinic acid, glutaric acid, crotonic acid and malonyl urea
122	21AB114014	Nidhi RajratnaShirsat	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
123	21AB114018	Nikita Gajanan Falke	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
124	21AB114021	Nikita Pramod Khupse	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).

125	21AB114024	Nisha Mohan Yadav	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
126	21AB114026	Om Anil Zamare	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub> (aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction, alkylation, Hoffmann's exhaustive methylation and its mechanism.
127	21AB114028	Om Prakash Dhanbhar	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene, phenol, halobenzene, nitrobenzene, benzonitrile, coupling with phenol and aniline
128	21AB114033	Palak Deepak Mohta	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
129	21AB114034	Pallavi Nitin Rathod	Definition and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of boiling point and molar mass of a non-volatile solute
130	21AB114035	Pandurang Bhagwan More	Cotrell's method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship between depression of freezing point and molar mass of a non-volatile solute. Rast's method for determination of depression of freezing point
131	21AB114036	Parikshit Pandurang Jalamkar	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
132	21AB114040	Pavan Nandkishor Ambhore	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.
133	21AB114046	Pooja Ankush Shinde	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance $d(h,k,l)$ from Miller indices in a cubic system.
134	21AB114047	Pooja Janrao Daberao	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system
135	21AB114048	Poonam Wasudeo Sarode	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
136	21AB114049	Pournima Ashok Awachar	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in

			S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
137	21AB114050	Prachi Gajanan Deshmukh	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray
138	21AB114053	Prachi Ravindra Oimbe	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
139	21AB114057	Pragati Sunil Sarode	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
140	21AB114060	Prajit Santosh Dabhade	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
141	21AB114065	Pramod Prabhakar More	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
142	21AB114066	Pranali Bharat Shirsat	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid , succinic acid, glutaric acid, crotonic acid and malonyl urea
143	21AB114067	Pranali Laxman Ingle	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
144	21AB114071	Prasad Rajesh Thakare	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
145	21AB114077	Prathamesh Shriram Malthane	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).
146	21AB114079	Prathmesh Sunil Borkar	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
147	21AB114082	Pratik Ramdas Thakur	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub> (aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction, alkylation,Hoffmann's exhaustive methylation and its mechanism.
148	21AB114083	Pratik Santosh Dhomble	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene,phenol, halobenzene, nitrobenzene,benzonitrile, coupling with phenol and aniline

149	21AB114084	Pratiksha Dilip Unhale	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
150	21AB114085	Pratiksha Gajanan Kharat	Definition and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of boiling point and molar mass of a non-volatile solute
151	21AB114090	Prerana Balu Mandwe	Cotrell's method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship between depression of freezing point and molar mass of a non-volatile solute. Rast's method for determination of depression of freezing point
152	21AB114092	Priya Ramrao Paraskar	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
153	21AB114095	Puja Rajesh Yutkar	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.
154	21AB114096	Rabiya Basra Wakil Mohammad	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance $d(h,k,l)$ from Miller indices in a cubic system.
155	21AB114100	Ram Onkar Kale	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system
156	21AB114101	Rani Ganesh Khule	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
157	21AB114102	Rashmi Vijay Mhaske	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
158	21AB114104	Renuka Ashok Gawande	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray
159	21AB114105	Riddhi Rajesh Harne	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
160	21AB114106	Riddhi Surendra Raut	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
161	21AB114109	Riya Sanjay Gawande	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy

162	21AB114114	Rohini Gopal Kadu	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
163	21AB114115	Rohini Ramakant Bhople	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid , succinic acid, glutaric acid, crotonic acid and malonyl urea
164	21AB114116	Rohini Rameshwar Tidke	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
165	21AB114117	Rohit Nitin Wadatkar	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
166	21AB114119	Rohit Pramod Chopade	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).
167	21AB114121	Roshan Arun Gawande	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
168	21AB114122	Roshan Mahadev Sarode	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub> (aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction, alkylation,Hoffmann’s exhaustive methylation and its mechanism.
169	21AB114126	Roshan Suresh Nerkar	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene,phenol, halobenzene, nitrobenzene,benzonitrile, coupling with phenol and aniline
170	21AB114127	Rupali Harikisan Pawar	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
171	21AB114128	Rupali Ravindra Thorve	Defination and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of boiling point and molar mass of a non-volatile solute
172	21AB114133	Rushikesh Santosh Sudke	Cotrell’s method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship between depression of freezing point and molar mass of a non-volatile solute. Rast’s method for determination of depression of freezing point

173	21AB114134	Rushna Tehreem Jamil Uddin	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
174	21AB114135	Rutik Mohan Murumkar	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.
175	21AB114136	RutujaShivdasBhatkar	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance $d(h,k,l)$ from Miller indices in a cubic system.
176	21AB114137	Rutuja Sudhir Khumkar	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system
177	21AB114139	Saba Firdous Nisar Mohd	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
178	21AB114140	Sadaf Almas Mohd Yunus	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
179	21AB114141	Sadiya Parveen MohdYunus Pande	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray
180	21AB114147	Sahil Kailas Rathod	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
181	21AB114148	Sahil Nagesh Meshram	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
182	21AB114149	Saima Kamal Asghar Kamal Mohd	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
183	21AB114151	Sakshi Anil Mahalle	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
184	21AB114154	Sakshi Eknath Dhore	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid , succinic acid, glutaric acid, crotonic acid and malonyl urea
185	21AB114157	Sakshi Jayant Yevatkar	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.

186	21AB114158	Sakshi Kisanrao Nage	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
187	21AB114163	Saloni Sunil Maliye	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).
188	21AB114166	Samruddhi Vilas Dahake	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
189	21AB114167	Sana Bano Siraj Ahmad	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub> (aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction, alkylation,Hoffmann's exhaustive methylation and its mechanism.
190	21AB114168	Sana Firdous Anis AhKhan	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene,phenol, halobenzene, nitrobenzene,benzonitrile, coupling with phenol and aniline
191	21AB114169	Sana Firdous Mohd Aejaaz	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
192	21AB114171	Sanika Vijay Lahole	Defination and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of boiling point and molar mass of a non-volatile solute
193	21AB114174	Saniya Firdous Zakir Ali Sayed	Cotrell's method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship between depression of freezing point and molar mass of a non-volatile solute. Rast's method for determination of depression of freezing point
194	21AB114174	Saniya Firdous Fahimuddin	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
195	21AB114178	Saniya Sanobar Rafique Khan	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.
196	21AB114179	Saniya Tabassum Nasir Khan	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance d(h,k,l) from Miller indices in a cubic system.
197	21AB114180	Sanjana Vinod Tayade	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system



198	21AB114183	Sanket Shashikant Gaikwad	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
199	21AB114184	Sanyukta Sunil Jadhav	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
200	21AB114185	Saquiya Kausar Mohd Yunus	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray
201	21AB114188	Sayed Alim Sayed Kalim	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
202	21AB114189	Sayyed Abrar Hameed Sayyed	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
203	21AB114190	Seemran Sarfaraz Babla	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
204	21AB114192	Shaikh Aasif Shaikh Aziz.	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
205	21AB114196	Sk. Shehzad Quraishi	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid , succinic acid, glutaric acid, crotonic acid and malonyl urea
206	21AB114197	Shamal Madhukar Dahibhat	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
207	21AB114199	Sharayu Padmakar Khotare	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
208	21AB114203	Shivam Balurao Ghuge	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).
209	21AB114206	Shivprasad Vijay Bali	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
210	21AB114208	Shraddha Pramod Pachkor	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub> (aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction,

			alkylation, Hoffmann's exhaustive methylation and its mechanism.
211	21AB114209	Shraddha Vijay Mitkari	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene, phenol, halobenzene, nitrobenzene, benzonitrile, coupling with phenol and aniline
212	21AB114212	Shreya Chandrakant Kukade	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
213	21AB114213	Shreya Pramod Vikhe	Definition and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of boiling point and molar mass of a non-volatile solute
214	21AB114214	Shreyash Anandrao Fatkar	Cotrell's method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship between depression of freezing point and molar mass of a non-volatile solute. Rast's method for determination of depression of freezing point
215	21AB114215	Shrikant Purushottam Hatekar	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
216	21AB114217	Shruti Khanderao Musale	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.
217	21AB114218	Shruti Shailendra Awachar	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance $d(h,k,l)$ from Miller indices in a cubic system.
218	21AB114220	Shubhangi Kailas Telgote	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system
219	21AB114223	Shweta Gajanan Parnate	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
220	21AB114225	Shyam Gajanan Mahalle	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
221	21AB114226	Shyamsundar Sudhir Chopade	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray


222	21AB114228	Siddiqua Meraj Syed Taher Ali	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
223	21AB114229	Sneha Ganesh Rathod	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
224	21AB114230	Snehal Ashok Wankhade	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
225	21AB114232	Snehal Najukrao Kirtak	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
226	21AB114234	Soema Sadaf Riyaz Ah Khan	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid , succinic acid, glutaric acid, crotonic acid and malonyl urea
227	21AB114236	Soham Arun Joshi	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
228	21AB114237	Sumandevi Pappuramji Bishnoi	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
229	21AB114241	Suyog Deolal Tayade	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).
230	21AB114244	Anique Husain Syed Ansar Syed	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
231	21AB114249	Tarun Sanjay Sonkamle	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub> (aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction, alkylation,Hoffmann's exhaustive methylation and its mechanism.
232	21AB114250	Tejas Gajanan Modak	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene,phenol, halobenzene, nitrobenzene,benzonitrile, coupling with phenol and aniline
233	21AB114255	Tejas Vinayak Khedkar	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
234	21AB114256	Tejasvini Ganesh Wankhade	Defination and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of

			boiling point and molar mass of a non-volatile solute
235	21AB114258	Tejaswini Ashok Rathod	Cotrell's method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship between depression of freezing point and molar mass of a non-volatile solute. Rast's method for determination of depression of freezing point
236	21AB114259	Tejaswini Narendra Pawar	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
237	21AB114262	Thomas Francis Lal	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.
238	21AB114263	Trupti Vinod Tole	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance $d(h,k,l)$ from Miller indices in a cubic system.
239	21AB114264	Tuba Tazeen Shafique AhKhan	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system
240	21AB114266	Uroosa Firdous Majeed Khan	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
241	21AB114267	Uzma Parveen Ayyub Shaikh	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
242	21AB114268	Uzma Raheen Iftekar Ahmad Khan	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray
243	21AB114272	Vaibhav Vilas Karale	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
244	21AB114273	Vaibhavi Ganesh Thote	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
245	21AB114274	Vaibhavi Shivaji Bhatkar	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
246	21AB114275	Vaishali ManikMesare	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
247	21AB114276	Vaishnavi Arun Phukat	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid ,

			succinic acid, glutaric acid, crotonic acid and malonyl urea
248	21AB114278	Vaishnavi Gajanan Waghode	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
249	21AB114280	Vaishnavi Mahadev Mirge	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
250	21AB114282	Vaishnavi Mohan Tale	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).
251	21AB114283	Vaishnavi Murlidhar Ingle	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
252	21AB114284	Vaishnavi Pralhad Hage	Basicity and effect of substituents. Methods of preparation of aniline from nitrobenzene, Reactions: with acetyl and benzoyl chlorides, Br <sub>2</sub> (aq) and Br <sub>2</sub> (CS <sub>2</sub> ) Carbylamine reaction, alkylation,Hoffmann's exhaustive methylation and its mechanism.
253	21AB114285	Vaishnavi Rajesh Jamnik	Preparation benzene diazonium chloride, Synthetic applications- Preparation of benzene,phenol, halobenzene, nitrobenzene,benzonitrile, coupling with phenol and aniline
254	21AB114286	Vaishnavi Raju Tarale	Classification, Strecker and Gabriel phthalimide synthesis, Zwitterion structure, Isoelectric point, peptide synthesis, Structure determination of polypeptides by end group analysis.
255	21AB114288	Vaishnavi Sanjay Gawande	Defination and examples of colligative properties. Elevation of boiling point, thermodynamic derivation of the relationship between elevation of boiling point and molar mass of a non-volatile solute
256	21AB114289	Vaishnavi Shankar Gawande	Cotrell's method for determination of elevation of boiling point. (iii) Depression of freezing point, thermodynamic derivation of the relationship between depression of freezing point and molar mass of a non-volatile solute. Rast's method for determination of depression of freezing point
257	21AB114291	Vaishnavi Vilas Gawande	Abnormal behavior of solution. Van't Hoff's factor 'i'. Determination of degree of association and dissociation from Van't Hoff's factor
258	21AB114292	Vaishnavi Vinod Thakare	Symmetry in crystal, plane of symmetry, axis of symmetry and point of symmetry. Law of constancy of interfacial angles.

259	21AB114293	Vanshika Vijay Tekade	Elements of symmetry in cubic crystals. Laws of symmetry. Law of rational indices, Weiss and Miller indices of a lattice planes, calculation of interplaner distance $d(h,k,l)$ from Miller indices in a cubic system.
260	21AB114295	Vedika DinkarWadatkar	Seven crystal systems and fourteen Bravais lattices, Bravais lattices of cubic system
261	21AB114296	Vicky Shuddhodhan Ingle	Simple cubic system (S.C.C.), body centered cubic system (B.C.C.) and face centered cubic system (F.C.C.)
262	21AB114298	Vikram Sudhakar Kale	Calculation of number of constituent units in S.C.C., B.C.C. and F.C.C. Ratio of interplaner distances for 100, 110 and 111 lattice plane in S.C.C., B.C.C. and F.C.C. (No geometrical derivation).
263	21AB114301	Vishal Gundurao Ghuge	Derivation of Bragg's equation for X-ray diffraction, Bragg's X-ray spectrometer method for the determination of crystal structure of NaCl and KCl. Anomalous behaviour of KCl towards X-ray
264	21AB114302	Vishal Santosh Donge	Actinides- Electronic configuration and oxidation states. Comparison of lanthanides and actinides. [
265	21AB114304	Vivek Ravindra Patkar	Definition of metallurgy, steps in metallurgy. Ore dressing by gravity separation, froth floatation and electromagnetic separation
266	21AB114305	Vivekbodhi Bhanudas Patode	Calcinations, roasting, smelting and refining of metals. Meaning of terms hydrometallurgy and pyrometallurgy
267	21AB114308	Yadnyesh Pradip Lasurkar	Naphthalene - Haworth synthesis,orbital picture, Reactions – electrophilic substitution (orientation) Preparation of naphthols from naphthalene sulphonic acids and naphthylamines from naphthols
268	21AB114309	Yash Anil Bhatkar	Malonic Ester: Synthesis from acetic acid, Synthetic applications- Synthesis of acetic acid , succinic acid, glutaric acid, crotonic acid and malonyl urea
269	21AB114311	Yash Satishkumar Pandey	Acetoacetic ester: Synthesis from ethyl acetate, Synthetic applications- Synthesis of acetic acid, propionic acid, isobutyric acid, succinic acid, glutaric acid, crotonic acid, acetyl acetone and 4-methyl uracil.
270	21AB114314	Yasir Adnan Nasir Baig.	Constitution of glucose, cyclic structure, Pyranose and Furanose structure, Epimerization, conversion of glucose to fructose and vice-versa,
271	21AB114317	Zubiya Fatema Syed Moinuddin	Introduction to fructose, ribose, 2- deoxyribose, maltose, sucrose. (their structures onlydetermination not needed).

272	22AB310084	Shweta Shaligram Zadokar	Nitrobenzene: Synthesis from benzene, Reduction of nitrobenzene in acidic, neutral and alkaline medium.
-----	------------	--------------------------	---

  
विभाग प्रमुख,  
HEAD  
Department of Chemistry  
Shri Shivaji College of Arts,  
Commerce & Science, AKOLA


**SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA**

**P.G. DEPARTMENT OF CHEMISTRY**

**M.SC. II (SEM-IV)**

SESSION -2022-2023

Sr. No.	Name of Supervisor	Name of Student
1	Dr. K.N. PURI	1) ABHISHEK SUDHIR CHANDLE
		2) ATUL BABURAO SHINDE
		3) ANKITA RAJU GAJABHIYE
2	Mr. G.M. DONGRE	1) ASHVINI KESHAV. MANJARE
		2) NIKITA SUNIL SHEGOKAR
3	Dr. S. S. KADU	1) KHAN HEEBA IRAM IRSHADULLAH
		2) ADEEBA SAROSH ABDUL AQUEEL
4	Dr. S.M. THORAT	1) MAHIMA DIWAKAR SIRSAT
		2) RASIKA P. DESHMUKH
5	Dr. G. W. BELSARE	1) AMISHA SURESH PRADHAN
		2) DURGA SANTOSH PORE
6	Dr. S. G. BADNE	1) SUVIDHA P. TAKALKAR
		2) RUCHITA SUNIL PHALE
7	Mr. M. A. PAWAR	1) SAHIL NANDKISHOR BOCHE
8	Dr. M. T. SANGOLE	1) RADHIKA GANESH CHUNADE
		2) SHIVANI SURESH GAWANDE
9	Dr. A. V. YADGIRE	1) VAISHNAVI SOPAN DHOLE
		2) RAJNANDINI RAJESH TARODE
10	MS. K. V. KUMBHALKAR	1) ARSHIYA ANJUM
		2) MISBAH NAAZ SYED AHSANODDIN
11	Mr. Z. S. SHEKH	1) SAMIKSHA VINOD BACHE
		2) PRIYANKA S. NAWALKAR
		3) PRIYANKA DILIP TATHE
12	Dr. M. M. MHASAL	1) PRIYANKA G.GANORKAR
		2) SHWETA DNYANESHW AWARE
13	Ms. A.M. MOPARI	1) VARSHA KAILAS SHINDE
		2) YOGITA RAMDAS TEKODE
14	Mr. N. A. DESHMUKH	1) SHAM PANDHARI DAKHORE
		2) VAISHNAVI RAVINDRA TIKAR
15	Dr. D. S. DESHMUKH	1) VAISHNAVI RAVINDRA KADU
		2) SHRADDHA PRAMODRAO KHARODE
16	Ms. L. R. KHANDEKAR	1) MINAL NARENDRA UMALE
		2) SUMERA AFREEN M. RAFI
17	Ms. T. P. SAWARKAR	1) ANJALI DHARMENDRA AHERKAR
		2) KALYANI NITIN DESHMUKH
18	Ms. S P.R. KATKAR	1) AFIYA SHAIKH MUJEEB
19	Ms. R. S. GHUGE	1) ROHINI VISHWANATH TIWARI

  
विभागा प्रमुख,  
HEAD  
Department of Chemistry  
Shri Shivaji College of Arts,  
Commerce & Science, AKOLA



**Shri Shivaji College of Arts, Commerce and Science, Akola**  
**UG Department of Computer Science**  
**Academic Session 2022-2023**  
**B.Sc.- II - SEM – IV**  
**Project Topic**  
**Summer -2023**

<b>Sr. No</b>	<b>Name of Student</b>	<b>Project Topic</b>
1	Abhishek Manohar Khandare	DML Commands
2	Abhishek Rambhau Solanke	DDL Commands
3	Abhishek Sanjay Thakur	Application of DBMS
4	Adiba Ismat Mohammad Shuja Rizvi	Types of keys with types of SQL
5	Aditya Ganesh Mondokar	Introduction to relational model
6	Aditya Jayant Mehere	Numeric function
7	Aditya Mahadeo Rakhonde	Relational model in dbms
8	Adnan Husain Altaf Husain .	Data models
9	Adsa Adeema Mirza Shakeel Baig	Characteristics and components of SQL
10	Aeisha Aqsa Mohammad Nazim	DML Commands
11	Akansha Rajkumar Jamnik	Database manegament
12	Akash Vijay Ambhore	Attributes
13	Akshay Rajendra Kaware	Integrity constraints
14	Akshay Sanjay Mahalle	Relation Model
15	Akshay Shivdas Kale	Key
16	Anikesh Suresh Bhatkar	Introduction of SQL
17	Anjali Arun Pandhare	introduction of SQL
18	Ankita Devidas Mhaisane	Dbms
19	Ankush Dipak Yadgire	Group Function
20	Arjun Ramdas Hirve	PL SQL BLOCK STUCTURE
21	Arati Raju Borkar	Design And Implementation of Special Symbol
22	Bushra Amin Khan Mohammad	What is Database management system and it's application
23	Chetan Suresh Dhore	Object based data model
24	Chetan Vasudeo Adhao	Relational model
25	Darshan Ghanshyam Sharma	The hierarchical data modal
26	Darshana Ajay Khandare	Characteristics of SQL
27	Dhananjay Dnyaneshwar Mhaisane	Introduction to SQL
28	Faizan Ahmed Shaikh Karim	PL/SQL introduction and features
29	Furquan Ahmed Raisuddin Khan	Introduction and characteristics SQL
30	Ganesh Prakash Bhagewar	What is SQL
31	Gaurav Sukepalsing Daberao	Application of database system
32	Gayatri Maroti Dodke	Data base management system
33	Gopal Ashok Hatekar	Network database models
34	Gopal Diliprao Nawale	SQL Operator

35	Jayashri Gajanan Wakte	Introduction to SQL
36	Jayashri Narayan Tajane	Function
37	Jayesh Dilip Chaware	SQL String Functions
38	Juveriya Sawela Mohammad Naem	Group Function
39	Kaif Mohammed Sohail Ajaz	Introduction to SQL and components of SQL
40	Kalyani Satish Gawande	SQL : table creation and data operation
41	Kapil Chandrashekhar Sharma	E-R diagram
42	Kaustubh Chandravadan Bhise	Architecture of DBMS .
43	Kiran Vilas Chavhan	Keys
44	Kirti Suresh Pawar	Type of keys
45	Kundan Vinod Wawkar	Operators
46	Lalit Pandurang Karlekar	DDL commands
47	Mahewash Faryan Aazam Shah .	Operater in SQL
48	Mandar Pramod Barde	Group function(SQL)
49	Mayur Ramesh Katolkar	Relational model in DBMS
50	Mayur Ramgir Giri	Introduction to SQL
51	Mayuri Nana Kiratkar	Introduction to SQL
52	Mayuri Narendra Warbhuvan	Keys
53	Mo. Muzammil Abdul Shafique	Functions
54	Mohammad Ahfaz Mohammad	Function
55	Mohammad Danish Mohammad	User of database
56	Mohammad Kamran Danish Ansar Ahmed	Operators
57	Mohammed Maaz Mohammed	DDL commands
58	Mohd Owais Mohd Athar .	Operater in SQL
59	Nabil Mazhar Ahmad	Group function(SQL)
60	Nayna Chavhan Parsaiyya	Relational model in DBMS
61	Nikhil Prabhakar Dambalkar	Introduction to SQL
62	Nikita Gajanan Somwanshi	Introduction to SQL
63	Nikita Lalsing Solanke	Keys
64	Nisha Prakash Surwade	Functions
65	Om Raju Shinde	Function
66	Om Rama Surve	User of database
67	Om Sudhakar Kene	Normalization
68	Parvez Musharraf Shaikh Ayyub	Data Defination Language (DDL)
69	Payal Ganesh Manjare	Introduction and components of SQL.
70	Payal Prakash Bhagat	The fundamental of DBMS ( Data base manegement system )
71	Payal Rajesh Telkar	WHAT IS DBMS...??? IT'S ADVANTAGES AND DISVANTAGES OF DMBS
72	Prachi Prakashrao Sonone	Users of database
73	Prachi Vinod Khade	Curser

<b>74</b>	Praful Balkrushna Tayade	Function
<b>75</b>	Prajakta Vijay Tayade	Functions and their types
<b>76</b>	Prajwal Narayan Tikar	Operator
<b>77</b>	Prajwal Ratansing Pawar	Advantages of Dbms
<b>78</b>	Prajwal Sunil Shirale	Aggregate function
<b>79</b>	Pranjal Shrikrushna Sadar	Key
<b>80</b>	Pratap Shivpalsingh Thakur	Introduction to SQL
<b>81</b>	Prathmesh Dinkar Kekan	Introduction to SQL
<b>82</b>	Prathamesh Sahadev Jadhav	Keys
<b>83</b>	Prathamesh Sanjay Kuchekar	Functions
<b>84</b>	Prathamesh Umesh Deshmukh	Function
<b>85</b>	Prayani Ambadas Chipade	cyber security
<b>86</b>	Priti Machhindra Khandare	Network database models
<b>87</b>	Pruthviraj Dayaram Telgote	SQL Operator
<b>88</b>	Rajeshwar Dilip Karale	Introduction to SQL
<b>89</b>	Rajeshwari Mukesh Wakharkar	Function
<b>90</b>	Ravishankar Chandrakumar	Integrity constraints
<b>91</b>	Ritesh Deepak Kale	Relation Model
<b>92</b>	Ritesh Gajanan Deshmukh	Key
<b>93</b>	Rohan Jaysing Jadhav	Introduction of SQL
<b>94</b>	Roshan Santosh Rane	introduction of SQL
<b>95</b>	Roshan Sitaram Kamble	Dbms
<b>96</b>	Rushikesh Gajanan Pawane	Group Function
<b>97</b>	Rushikesh Madhukar Mhaisane	PL SQL BLOCK STRUCTURE
<b>98</b>	Safiya Farooq Fahimuddin Qazi	Group Function
<b>99</b>	Sagar Gopal More	Cyber security
<b>100</b>	Sagar Santosh Hivrle	Introduction to SQL
<b>101</b>	Sakshi Gajanan Tayde	Introduction to SQL
<b>102</b>	Sakshi Mohan Pinjarkar	Keys
<b>103</b>	Sakshi Prabhakar Rokade	Functions
<b>104</b>	Sanchit Shantaram Ghanbahadur	Function
<b>105</b>	Sanjivani Rajendra Ingle	User of database
<b>106</b>	Sanket Ravindrakumar Shrivastav	Operators
<b>107</b>	Saurabh Ramesh Waitkar	DDL commands
<b>108</b>	Shantanu Ashok Shirsat	Operater in SQL
<b>109</b>	Shital Prakash Khandare	Group function(SQL)
<b>110</b>	Shraddha Dinesh Mhaisane	Relational model in DBMS
<b>111</b>	Shubham Shankar Gadhe	Introduction to SQL
<b>112</b>	Siddheshwari Padmakar Yeole	Introduction to SQL
<b>113</b>	Snehal Nilkanth Apotikar	Keys
<b>114</b>	Sumit Dilip Dhade	Functions
<b>115</b>	Swapnil Vinod Pargharmor	DML Commands
<b>116</b>	Tanaya Ravindra Ingle	Database manegament

<b>117</b>	Tejas Prakash Dange	Attributes
<b>118</b>	Tejas Santosh Javanjal	Integrity constraints
<b>119</b>	Tejaswi Kisanrao Sadar	Relation Model
<b>120</b>	Vaibhav Narayan Bhade	Key
<b>121</b>	Vaishnavi Arun Yeole	Introduction of SQL
<b>122</b>	Vaishnavi Haridas Pathare	introduction of SQL
<b>123</b>	Vaishnavi Sadanlal Gaigole	Operater in SQL
<b>124</b>	Vaishnavi Sunil Janorkar	Group function (SQL)
<b>125</b>	Vedant Mohan Chopade	Relational model in DBMS
<b>126</b>	Vishal Siddharth Sirsat	Introduction to SQL
<b>127</b>	Vrushali Pramod Dhotre	Introduction to SQL
<b>128</b>	Aditya Keshavrao Dane	Keys



Principal,  
Shri Shivaji College of Arts,  
Commerce and Science, Akola

Shri Shivaji College of Arts, Commerce and Science, Akola  
Department of Botany  
Tour Report  
**Chikhaldara Tour**

Department of Botany had organized one day short excursion to **Chikhaldara** on **29/11/2022** for the students of B.Sc. (II) and B.Sc.(III).

Total 162 students along with faculties attended the excursion. The journey started at 7:00 am from the college campus by the buses hired from travel agency.

The route proposed was **Akola - Daryapur - Anjangao - Paratwada - Chikhaldara – Akola.**

All the students were very excited to have the tour after the Covid-19 pandemic. This was the first college tour and all of them enjoyed it a lot.

We reached *Anjangao* at about 9 am and had Tea there and moved to Chikhaldara. The chikhaldara was quite cool in those days.

The first spot we visited was **Bhimbkund**, where we observed the deep valley full of plant diversity. *Lavendula sp.* was observed growing nicely.

The Lunch was organized at **Botanical Garden** and all of us had taken tiffin along with.

The post lunch visit to the garden was taken where we came across the *Plagiochasma sp.*, *Silver fern*, *Adiantum sp.*, *Grevillea robusta.*, *Coffea arabica*, and many more species.

Followed by the garden we visited the **Devi point** which is origin of *Chandrabhaga river*. We observed *Nostoc sp.* growing there. The lake near Devi point was having Boating which was enjoyed by students.

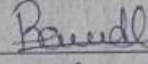
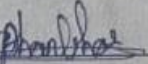
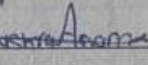
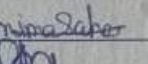
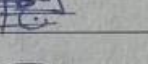
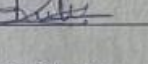
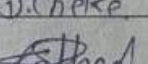
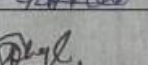
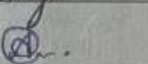
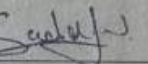
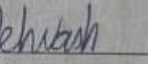

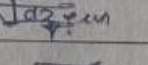
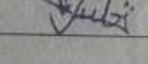
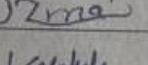
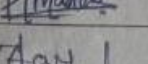
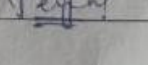

Some Lichens and Aquatic angiosperm was collected having leaf dimorphism and was identified by students as *Limnophilla heterophylla*.

We started the return journey at about 5 pm and safely reached Akola at 8 pm. *Dr. P.S. Kokate, Dr. D.K. Koche, Mr. N.B. Chaukhande, Dr. A.V. Oke, Mr. S.A, Rathod, Mr. N.S. Sonone, Mrs. Sneha Dhoble, Miss. Bushra* escorted the tour.



**SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE AND SCIENCE, AKOLA**  
**DEPARTMENT OF BOTANY**  
**EXCURSION TOUR CHIKHAKDARA**  
**DATE - 26-11-2022**

**LIST OF STUDENTS**

Sr. No.	Name of Students	Sign.
✓ 1.	RASHAN ARUN GAWANDE	
✓ 2.	Om Pankash Dhanbhar	
✓ 3.	Bushra Anam	
✓ 4.	Amima Sabar	
✓ 5.	Anam Mahreen	
✓ 6.	Rutik Muzumkar	
✓ 7.	Achal Chetke.	
8.	sneha Rathod	
✓ 9.	vishal G. Ghug.	
✓ 10.	Aliya Anjum	
✓ 11.	Sadaf Almas	
✓ 12.	Mehwish Muskan	
✓ 13.	Saquiya Kausar	
✓ 14.	Naeema Tazeen Khan	
✓ 15.	Tuba Tazeen Shafique Almas Khan	
✓ 16.	Uzma Raheen Khan	
✓ 17.	Khudeja Mahak Dawood Anwar	
✓ 18.	Aaysha Tehreem	

✓ 19.	Masarrat Jabeen Sy. Naziruddin	ajit
✓ 20.	Nida Afsheen Ghulam Raheem	Nida
✓ 21.	Vaishnavi M Ingle	<del>VB</del>
✓ 22.	Haeidas Kodaba Godhane	Haeidas
✓ 23.	Peasad R. Thakare	R Thakare
✓ 24.	Harsh Sachdev	<del>Harsh</del>
25.	<del>Mohammad Aash</del>	<del>infid</del>
✓ 26.	sheikh Asif	<del>Asif</del>
✓ 27.	Shajikh Shehzad Quraishi	Shajikh
✓ 28.	Shravya Chandrakant Kukade	<del>Shravya</del>
✓ 29.	Abdul Sahail Abdul Saeed	Sahail
✓ 30.	pooja Ankush Shinde	<del>PAwink</del>
31.	Tejasvini Ganesh Wankhade	<del>Tejasvini</del>
✓ 32.	Anu Lalan Patel	Anu
✓ 33.	Munali Sanjay Khulekar	<del>Munali</del>
✓ 34.	Akash Kailash Ingle	Akash
✓ 35.	Abbas H. Sayyed	Abbas
✓ 36.	Tarun S. Santamle	<del>Tarun</del>
✓ 37.	Deep A. Arhatkar	<del>Deep</del>
✓ 38.	Rohan mahadev Sarode	Rohan
✓ 39.	Vivek R Patkar	Vivek
✓ 40.	Tejas U. Khedkar	Khedkar
✓ 41.	Kuldip P. Gawande	Kuldip

500 Ret



✓ 42.	<u>Gayatri</u> D. Bhatkar	G Bhatkar
✓ 43.	<u>Rohini</u> G. Kady	RK
✓ 44.	<u>Pandurang</u> B. More	<del>P More</del>
✓ 45.	<u>Gaurav</u> S. Gaikwad	Gaikwad
✓ 46.	<u>Ayesha</u> khatoon Ansar Khan	Akhan
47.	<u>Saima</u> Kannal Mohd <sup>Kamal</sup> Akhbar	<del>Saima</del>
✓ 48.	<u>Syed</u> Amique Husain	<del>S Husain</del>
✓ 49.	<u>Krishna</u> sunil Karkud	<del>K Karkud</del>
✓ 50.	<u>Dhanashree</u> sujit Boddade	<del>D Boddade</del>
✓ 51.	<u>Riya</u> Sanjay Gowande	R Gowande
✓ 52.	<u>Nikita</u> Pramod Khupse	N Khupse
✓ 53.	<u>Gayatri</u> Haribhanu Mhasoye	G.M. Mhasoye
✓ 54.	<u>Gauti</u> Dipak Dod	Gauridod
✓ 55.	<u>Gayatri</u> Sanjay Khole	Khole
✓ 56.	<u>Jifra</u> firdous Asif Khan	Jifra
✓ 57.	<u>Hareh</u> . Bhasale	<del>H Bhasale</del>
✓ 58.	<u>Faziyah</u> Sheikh	<del>F Sheikh</del>
✓ 59.	<u>Jaweriyah</u> Anjum Amjad Khan	<del>J Amjad Khan</del>
60.	<u>Vaibhavi</u> S. Bhatkar	V Bhatkar
✓ 61.	<u>Saba</u> firdous	S firdous
✓ 62.	<u>Irshad</u> Khan	I Khan
✓ 63.	<u>Dnyaneshwar</u> Shelkar	D Shelkar
✓ 64.	<u>Zubiya</u> Fatema	Zubiya

65.	Fiza Nazir	Fiza	
66.	Poachi Gajanan Peshmukh	Poachi	
67.	Dipmata Sakharan sirsat	<del>Sirsat</del>	500 Retus shreyas wanikar
68.	Rupali Hemikisan pawar	<del>Rupali</del>	500 Retus
69.	JAFAT FATEMA	Jafat	
70.	Alfiya Tabassum	Alfiya	
71.	Rutuja S. Khumkar	Rutuja	
72.	Yaibhav V. Karale	V.V. Karale	
73.	Komal K. Bhatkar	Komal	
74.	Gayatri N. Jalankar	Gayatri	
75.	Eshvari V. Jalankar	Eshvari	
76.	Sakshi Dhore	Sakshi	500
77.	Rutuja S. Bhatkar	Rutuja	
78.	Shamal M. Dahibhat	Shamal	
79.	Sayed Alim	Sayed	
80.	uzma parveen	uzma	
81.	Shubhangi Keelus Telgote	Shubhangi	
82.	Sadiya Parveen. Md. Yousuf parve	Sadiya	
83.	Saniya Sanoben Rafique Khan	Saniya	
84.	Sakshi Jayant Gavalkar	Sakshi	
85.	Saniya Firdous Syed Zukir Ali	Saniya	
86.	Shilpaasad vijay Bali	Shilpa	
87.			

Head,

Department of Botany  
Shri Shriji College of Arts,  
Commerce & Science, Akola

Shri Shivaji College of Arts, Commerce and Science, Akola  
Department of Botany  
Botanical Excursion  
PDKV-Akola

Department of Botany had organized one day short excursion to **Dr. Panjabrao Deshmukh Krushi Vidyapeeth, Akola** on **07/12/2022** for the students of B.Sc. (I)Sem(ICBCS).

Total 110 students along with faculties attended the excursion. The journey started at 10:30 am from the college campus by personal vehicles.

All the students were very excited to have the visit to PDKV. We reached at main gate at about about 11:00 am and had moved to department of phyto-pathology.

We observed Ultra Centrifuge, Oven, Incubator, Fermenter, Fungal Cultures, Fertilizer machine, various microscopes, Museum etc.

The faculty members guided the students regarding various techniques, importance, need, and application in the research work. The effect of pathogens and ultimate economic loss was also elaborated to students.

The museum was well organized having diversified samples of plant pathology.

The students enjoyed the lunch at the garden of university and had a minds on game for some time.

The post lunch visit to the campus was taken where we came across the *Butea monosperma*, *Commiphora vightii*, *Hyptis suaveolens*, *Couropita guanensis*, *Tectona grandis*, *Peltophorum pterocarpum*, *Eucalyptus globulus* and many more species.

We started the return journey at about 4 pm and safely reached at college campus at 4:30 pm. *Dr. V. S. Patil, Dr. A.V. Oke* and *Mr. S.A, Rathod*, escorted the tour.



**Shri Shivaji College of Arts, Commerce and Science Akola**  
**PG Department of Botany**

**Attendance Sheet**

Sr.No	Class	Name of Student	Signature
1.	M.Sc-I	Achal Gajanan Sarap	
2.		Ankush Anil Metange	
3.		Anushka Vitthal Pawar	
4.		Jayesh Anil Lagad	
5.		Madhuri Ganesh Wankhede	
6.		Manjeri Ravi Kankal	
7.		Prajakta Santosh Jaunjale	
8.		Prem Gajanan Nagrale	
9.		Siddhant Ashish Meshram	
10.		Sneha Goverdhan Okhare	
11.		Tanveersing D. Rohel	
12.		Vaishnavi R. Asekar	
13.	M.Sc-II	Vaishnavi Shelke	
14.		Vishnu Madhukar Ujjankar	
15.		Dnyaneshwar Dhore	
16.		Vedika Warankar	
17.		Rutuja Gajanan Lale	
18.		Vaishnavi Pophale	
19.		Divya Jangale	
20.		Sankalp Gajghate	
21.		Sonal Wankhade	
22.		Shwetal P. Chavan	
23.		Gayatri Tupsande	
24.		Janhavi Rayate	
25.		Sanskriti Bajare	
26.		Saurabh Waghode	
27,	Namised Jisedaus		
28,	Alfiya Sudaf		

**List of Escorts**

Sr.No	Name of Escorts	Signature
1	Dr. P.S Kokate	
2	Dr. D.K Koche	
3	Dr. A.V.Oke	

4	Mr. S. R. Rathod	
5	Mr. G. N Dhobale	
6	Mr. N.S Sonone	
7	Mrs. S. P. Khotare	

## Salaiban

The Department of Botany had organized the Botanical excursion on 27/02/2023 to Salaiban.

The journey started on 27/02/2023 at 7.00 am by the Luxury Bus hired from local travel agency. The plan of journey was **Akola - Warwat bakal - Shegaon - Salaiban- Akola.**

We had breakfast at shegaon at 9 am. One of the parents of our student came to meet us at hotel. Total 35 students along with faculty members participated in the excursion.

The Salai ban was the destination and we reached there by 12:45 pm. **Mr. Manjeet Sing** sir introduced us with the aims and objectives of the project and he also took us for the visit.

The land of the project belongs to '*Bhudaan Andolan Samiti*' Wardha, which ultimately belongs to the name of **Acharya Vinoba Bhave**, *Bharat-Ratna*.

The present 75 acres of land was barren before under taking the project. Now it has turned green by the hard efforts of the people. Earlier it was having good vegetation of *Boswellia serrata* (Salai) which became critically endangered at the same place.

After having nice and delicious lunch the by Mr. Bhagat (local caterer) visit started to the field. Numbers of wild plants were found to be growing luxuriantly in the field.

*Andrographis paniculata*, *Moringa oleifera*, *Ficus benghalensis* (100 years old Heritage tree) *Butea monosperma*, *Writea tinctoria*, *Boswellia serrata*, *Holoptelea integrifolia*, *Anogeissus latifolia* and many more were observed.

We started return journey in the evening at about 5:15 pm. The tea break was at Shegaon. The excursion concluded at Akola at 9:30 pm on the same day.

**Dr. V.S. Patil, Dr. A.V. Oke, Mr. S.A. Rathod, Mr. Gopal Dhobale, Mrs. Sneha Dhobale Mr. N.S.Sonone** and **Miss. Bushra Anjum**, escorted the tour.

**Special note** - *The road approaching to salaiban was very narrow and without tarring. Bus should have short chasis.* The vehicles reach directly to entrance. Food was good.



To,  
The Principal,  
Shri Shivaji College of Arts, Commerce and Science, Akola.

**Subject:** Regarding the permission to organize Botanical excursion for PG students

Respected Sir,

The Department of Botany wishes to organize a short Botanical Excursion to "Salaiban Project, Chalthana Siyam" for Post Graduate students as a part of curriculum. The proposed date of excursion is 27/2/2023. The students will be escorted by faculties of the department.

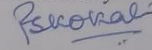
I request you to kindly approve and grant the permission for the same.

Thanking in anticipation.

Date: 23/2/23

Place: Akola


Yours faithfully



(Dr. P. S. Kokate)

Head,

Department of Botany  
Shri Shivaji College of Arts,  
Commerce & Science, Akola



PRINCIPAL  
Shri Shivaji College of Arts,  
Commerce & Science Akola  
A++ Grade CGPA.3.58 by NAAC



**Shri Shivaji college of Arts, Commerce and Science, Akola.**  
**Department of Botany**  
**2022-23**  
**Excursion Tour of M.Sc. I & II to Salaiban Project, Chalthana**  
**on Date-27 /02/2023**

**List of Students**

Sr No	Name of Student	Age			
1	Achal G. Sarap	21	18	Alfiya Sadaf Sayed	22
2	Ankush A. Metange	21	19	Divya H. Jangale	22
3	Anushka V. Pawar	21	20	Dnyaneshwar D. Dhore	22
4	Faiza Anjum Ahamad	21	21	Dnyaneshwari Nanote	22
5	Jayesh Anil Lagad	21	22	Gayatri B. Tupsande	22
6	Madhuri G. Wankhede	21	23	Janhavi N. Rayate	22
7	Manjeri R. Kankal	21	24	Namira Firdous	22
8	Prajakta S. Jaunjal	21	25	Pooja V. Umale	22
9	Prem G. Nagrale	21	26	Rutuja G. Lale	22
10	Siddhant A. Meshram	21	27	Sanskriti A. Bajare	22
11	Sneha G. Okhare	21	28	Shreya S. Giri	22
12	Tanveersing D. Rohel	21	29	Shwetal P. Chavan	22
13	Vaishnavi R. Asekar	21	30	Sonal N. Wankhade	22
14	Vaishnavi Shelke	21	31	Vaishnavi S. Pakdhane	22
15	Vishnu M. Ujjankar	21	32	Vaishnavi V. Pophale	22
16	Arham Fatema	21	33	Vedika N. Warankar	22
17	Javeriya Almas	21	34	Sankalp Gajghate	22
			35	Snehal Lade	22

**List of Escort-**

1. Dr. V.S. Patil
2. Dr. A. V. Oke
3. Mr. S. R. Rathod
4. Mr. N. S. Sonone
5. Ms. S. P. Khotre
6. B. A. Shaikh

*Shree*  
**PRINCIPAL**  
Shri Shivaji College of Arts,  
Commerce & Science Akol.  
A++ Grade CGPA 3.58 by NAAC

*Foreman*  
**Head**  
Department of Botany  
Shri Shivaji College Of Arts  
Commerce & Science AKOLA  
A++ Grade CGPA 3.58 by NAAC