

Pune District Education Association's
Seth Govind Raghunath Sable College of Pharmacy, Saswad, Dist-Pune

Experiential Learning 2022-2023



F.Y.B. Pharm students visited to Jankalyan Blood Bank, Pune

**PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY, SASWAD.**

BLOOD BANK VISIT

(01/09/2023)

F.Y.B.PHARM

**PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY , SASWAD.**

Blood Bank Visit (01/09/2023)

F.Y.B.Pharm

INDEX

Sr.No	Particulars	Page No
1	Notice : Student	1
2	Letter	2
3	Photo Gallery	3
4	Attendance Record of Student	4

PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY,
SASWAD, DIST. - PUNE

Notice No: Admin/559/2022-2023

Date: 23/08/2023

Notice No - 559

Academic Year 2022-23

All the students of First Year B. Pharm are hereby informed that, as a part of curriculum framed by Pharmacy Council of India, Blood Bank visit at Saras Baug Road, Near Hotel Natraj Dadawadi, Shukrawar Peth, Swargate Pune, Maharashtra 411002 is arranged on 01st September 2023. Kindly take note of this, bring basic requirements like mask, apron, cap and identity cards without fail. You have to be present at jankalyan Blood Center at 10.00 am



Dr.R.S.Chavan.
PRINCIPAL

PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE
OF PHARMACY, SASWAD, TAL. PURANDAR,
DIST. PUNE-412301.



PUNE DISTRICT EDUCATION ASSOCIATION'S

SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY

SASWAD, TAL. : PURANDAR, DIST. : PUNE - 412 301. MAHARASHTRA, INDIA.

Approved by : All India Council for Technical Education and Pharmacy Council of India, New Delhi.

Government of Maharashtra and Directorate of Technical Education, Mumbai. (DTE Code No. 6372)

Affiliated to : Savitribai Phule Pune University, Pune. (Id. No.: PU / PN / PHARMA / 095 / [1993] and Code No. - 521)

Phone : (02115) 222212 E-mail : sgrs_contact@yahoo.co.in Website : www.pdeasgrsbpharm.edu.in

Accredited by NAAC at 'A' grade



Outward No. : COPS / 282/2023-24

Date : 17/08/2023.

President
Ajit Pawar

Vice President
Rajendra Ghadge

Hon. Secretary
Adv. Sandeep Kadam
Senate Member
Savitribai Phule Pune University, Pune

Treasurer
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Dy. Secretary
L. M. Pawar

Principal
Dr. R.S. Chavan

To,
The Director,
Jankalyan Blood Centre,
Pune 411002

Sub: - Regarding permission for Blood centre visit.

Dear Sir,

With reference to the above cited subject, we would like to introduce about my institute, our Pune District Education Association's Seth Govind Raghunath Sable College of Pharmacy, Saswad, Dist-Pune was established in 1991 with aim of providing quality education to the rural mass. The college has magnificent infrastructure in order to provide all the facilities and amenities to students.

As a part of curriculum framed by Pharmacy Council of India, First Year B. Pharm students have to visit Blood Bank Centre. In connection with this, we wish to plan for this visit at 01st September 2023. The total number of students visiting your centre will be 70 along with two staff members. We assure you that our students will follow the rules and guidelines during the visit.

Kindly make it convenient to arrange visit at your Blood Bank Centre. We will be very glad to know the confirmation date of this visit at the earliest.

Thanking You,

Yours Faithfully,

R. S. Chavan

Dr. R. S. Chavan.

PRINCIPAL

PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE
OF PHARMACY, SASWAD, TAL. PURANDAR,
DIST. PUNE - 412301

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/medulife

From: Technical Officer <to.jkr@gmail.com>

Sent: Fri, 18 Aug 2023 11:08:57

To: amolkale81@rediffmail.com

Cc: sgrs_contact <sgrs_contact@yahoo.co.in>, Bhagwat Sachin <bhagwatsachin2010@gmail.com>, Shilpa Jajoo <shilpajajoo76@gmail.com>, Manasi Poonam <manasi.poonam@gmail.com>

Subject: Re: Blood bank visit

Dear sir,

Your visit is confirmed on 1 st September 2023.

At 11 am. We will distribute 70 students in 3 batches.

After a 10 minutes interval each batch is released for blood Centre tour.

Please ask your students to visit the Facebook page and Youtube page of Jankalyan Blood Centre.

Regards

Ms. Abhiruchi Jagdale

Technical Officer

Jankalyan Raktapedhi

1003, Shukrawar Peth

Near Hotel Natraj

Swargate, Pune 2

Phonne : 020-24449527/24444502

VVJ , APK. SSC.

PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY
SASWAD, DIST-PUNE

Blood Bank Visit

(01/09/2023)

As a part of curriculum framed by Pharmacy Council of India, Blood Bank Visit was organized for First year B.Pharm Students on 1st September 2023 at **Jankalyan Blood Bank, Pune**. Mrs. Mansi Thakur (Director of Jankalyan Blood Bank) and her team gave information to the students as per curriculum along with visit. All students of F.Y.B.Pharm attended the visit and cleared their queries during the same.

The visit was organized under the guidance of Principal Dr. R.S.Chavan, Dr. A.P.Kale. The visit was coordinated by Ms. V.V.Jagtap and Ms. S.S.Chavan.



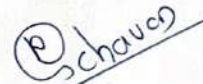
Ms. S.S.Chavan
Co-ordinator



Ms. V.V. Jagtap
Co-ordinator



Dr. A.P.Kale
Co-ordinator

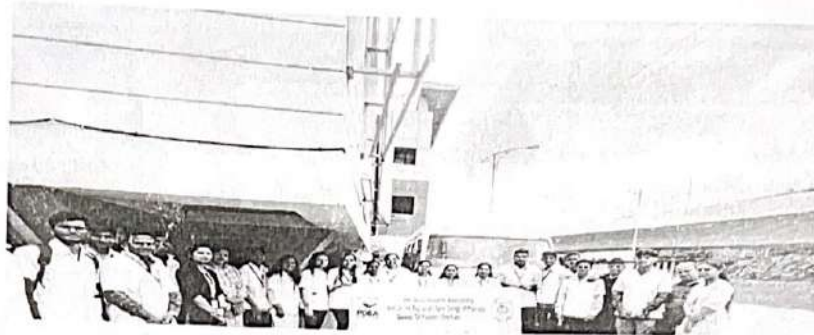


Dr. R.S. Chavan

Principal

PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE
OF PHARMACY, SASWAD, TAL. PARANAR,
DIST. PUNE - 412301.

Photo Gallery (Blood Bank Visit) 01/09/2023



@exhauser

PRINCIPAL
PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH KABLE INSTITUTE
OF PHARMACY, BASHAD, TAL. PURANDAR,
DIST. PUNE - 412304.

**PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY
SASWAD, DIST-PUNE**

Attendance: Blood Bank Visit (01/09/2023)

Roll.No	Name	Signature
1	Atar Raisa Mahamud	<i>Atar</i>
2	Attar Adnan Sameer	<i>Attar</i>
3	Attar Salaat Mohiddin	<i>Salaat</i>
4	Awate Tejas Dnyande	<i>Tejas</i>
5	Bansode Pratiksha Prakash	<i>Pratiksha</i>
6	Bansode Priyanka Shankar	<i>Priyanka</i>
7	Bembade Shruti Vidyadhar	<i>Bembade</i>
8	Bhagat Rushikesh Rajendra	<i>Bhagat</i>
9	Bohare Rushikesh Eknath	<i>Bohare</i>
10	Borawake Charudatta Ramesh	<i>Borawake</i>
11	Borkar Gauri Shankar	<i>Gauri</i>
12	Chauthmal Tanvi Vasant	<i>Chauthmal</i>
13	Dalavi Siddhesh Shivaji	<i>SSD</i>
14	Dhindale Pratik Laxman	<i>Pratik</i>
15	Dhumal Shravan Sunil	<i>Shravan</i>
16	Gaud Shivani Vyankatav	<i>Gshivani</i>
17	Gaudgay Nikhil Somnath	<i>Nikhil</i>
18	Girme Vaisnavi Chandrakant	<i>Vaisnavi</i>
19	Hole Prathamesh Pradip	<i>Hole</i>
20	Imtiyaz Ahmad Mir	<i>Imtiyaz</i>
21	Jadhav Aditi Shivaji	<i>Aditi</i>
22	Jadhav Avishkar Sudhakar	<i>Avishkar</i>
23	Jadhav Srushti Dasharath	<i>Srushti</i>
24	Jadhav Vishalisha Vishal	<i>Vishal</i>
25	Jagdale Shivam Sunil	<i>Shivam</i>
26	Jagtap Shivam Sanjay	<i>Shivam</i>
27	Jagtap Yashasvi Ashok	<i>Yashasvi</i>
28	Jamdade Akshada Sudhir	<i>Akshada</i>
29	Jibran Arshid	<i>Jibran</i>
30	Kalbhor Shradha Pravin	<i>S.P. Kalbhor</i>
31	Kale Sohani Uttam	<i>Sohani</i>
32	Kamble Abhishek Macchindra	<i>Abhishek</i>
33	Khenat Shweta Jawaharlal	<i>Shweta</i>

34	Khomane Swarupa Jalinder	-
35	Koulage Shweta Bharat	-
36	Kunjir Purva Ravindra	Suresh
37	Kurpad Viraj Pradeep	VB
38	Lale Aniket Ram	Delale
39	Lonkar Neha Digambar	AA
40	Makar Prachi Prashant	Prachi
41	Manchare Saurabh Shivaji	Saurabh
42	Mane Sakshi Nitin	Sakshi
43	Mangam Pratiksha Gajanan	Pratiksha
44	Memane Vaibhav Shahaji	Vaibhav
45	Mhaske Nikita Arjun	Nikita
46	Mhatre Sanika Ankush	Sanika
47	Mokashi Rukkaiya Bahaddur	R.B. Mokashi
48	More Gauri Jagannath	Gauri
49	Pabale Tejal Sunil	Tejal
50	Palve Manoj Bhagwan	Manoj
51	Pawar Aishwarya Pratap	Aishwarya
52	Pawar Vaishnavi Ronidas	Vaishnavi
53	Petkar Pranav Ramprabhu	Pranav
54	Phere Shubham Satish	Shubham
55	Pisat Surabhi Mahadev	Surabhi
56	Ranaware Rohan Ravindra	Rohan
57	Rathod Sumit Satish	Sumit
58	Samase Disha Dipak	A b
59	Shaikh Mahak Muneer	Mahak
60	Shirsat Vinay Diliprao	Vinay
61	Suryawanshi Sai Suresh	Sai
62	Taware Krushna Navanath	Krushna
63	Taware Shruti Mahendra	Shruti
64	Thite Poonam Madan	Poonam
65	Unavane Sarthak Sachin	-
66	Wable Omkar Ashok	Omkar
67	Wagaj Snehal Mahadev	Snehal
68	Waghole Tanishka Shridhar	Tanishka
69	Zende Atharva Pradeep	Atharva
70	Zurange Ankita Vijay	Ankita

**Pune District Education Association's
Seth Govind Raghunath Sable College of Pharmacy, Saswad**



List of Pharm Students with Dissertation topics

2022-23

Sr. No.	Name of student	Topic	Internal Guide
1	Bankar Supriya Prakash	Formulation And Evaluation Of Antifungal Microsponges Based Gel Of Posaconazole For Topical Controlled Drug Delivery.	Mr. J. V. Shinde
2	Bhagat Aakash Sanjay	Formulation And Development Of Ophthalmic Formulation For Dry Eye Syndrome.	Mr. J. V. Shinde
3	Bhosale Ankita Vitthalrao	Formulation And Development Of Silver Nanoparticle Incorporated Gel.	Mr. J. V. Shinde
4	Bhosale Prshant Sanjay	Niosomal Drug Delivery For Oral Route.	Mr. J. V. Shinde
5	Garud Pooja Suresh	Formulation And Evaluation Of Floating Microspheres Of An Antidiabetic Drug.	Mr. J. V. Shinde
6	Gaware Prasanna Kaluram	Formulation And Evaluation Of Film Coated Tablet Of Antipsychotic Drug Chlorpromazine Hydrochloride.	Mr. J. V. Shinde
7	Jadhav Kunal Dattatray	Formulation And Evaluation Of Immediate Release Capsule For Treatment Of Adhd.	Mr. J. V. Shinde
8	Kale Gajanan Pandurang	Formulation, Development And Invitro Evaluation Of Extended Release Tablet Of Hypnotic Drug.	Mr. J. V. Shinde
9	Kasture Shital Arun	Formulation And Evaluation Of Immediate Release Tablet Of Clarithromycin.	Mr. N.R. Bhosale
10	Kate Shweta Shamrao	Development And Characterization Of Chlorpromazine Hcl Nano crystals Without Stabilizer Having Improved Dissolution Rate.	Mr. N.R. Bhosale
11	Kondewad Pavan Pandurang	Formulation And Evaluation Of Gastroretentive Floating Tablets Of Glipizide.	Mr. N.R. Bhosale
12	Kulkarni Vaishnav Govind	Formulation And Development Of Ophthalmic Formulation For Glaucoma Treatment .	Mr. N.R. Bhosale
13	Mhaske Padmaja Kishor	Formulation And Evaluation Of Sustained Release Matrix Tablet Of Metformin Hydrochloride .	Mr. N.R. Bhosale
14	Nale Prajakta Hanumant	Formulation And Evaluation Of Mouth Dissolving Tablet Of Amlodipine Besylate By Using Sublimation Technique.	Mr. N.R. Bhosale
15	Ombase Tejas Tanaji	Formulation And Evaluation Of Gastro-Resistant Capsule.	Mr. N.R. Bhosale
16	Panaskar Tanuja Mohan	Formulation And Evaluation Of Microemulsion Based Hydrogel For Topical Delivery.	Mr. N.R. Bhosale

17	Ahire Shubham Satish	Design, synthesis and biological evaluation of quinoline derivatives as an anti-microbial agents	Dr. R. S. Chavan
18	Dalvi Sayali Anil	Design, synthesis and evaluation of some heterocyclic derivatives as an anti-microbial potential	Dr. S. J. Pawar
19	Gambhire Neha Suresh	Analytical method development of Aegle marmelos formulation by HPLC	Mrs. J. R. Jagtap
20	Mane Prajakta Arun	Analytical method development and validation of ayurvedic solid dosage form-vati ny HPTLC	Mr. G. B. Nigade
21	Mane Suneja Sanjay	Development and validation of HPTLC method for ayurvedic tablet formulation	Dr. R. S. Chavan
22	Patil Aditi Dipak	Method development and validation of drakshadhi churna by HPTLC	Mrs. J. R. Jagtap
23	Phadtare Srushti Shantilal	Synthesis and biological evaluation of some heterocyclic derivatives as an anticonvulsants	Mr. A. P. Kale
24	Potdar Divyani Deepak	Design, synthesis and biological evaluation of phenolic acid derivatives as an anti-microbial agents	Mr. G. B. Nigade
25	Zinjad Shweta Babaji	Design, synthesis and biological evaluation of benzimidazole derivatives as an anti-microbial agents	Dr. R. S. Chavan
26	Zope Dhanashri Vijay	Synthesis of N-acetylglucosamine Oligosaccharide as a candidate-vaccines	Dr. S. J. Pawar
27	Shweta Shivaling Bobade	Evaluation of Anti-thrombocytopenic activity of Herbal Drugs in Cyclophosphamide induced Thrombocytopenia in Experimental Animals.	Mrs.P.N.Jagtap
28	Pratibha Pradip Deshmukh	Evaluation of Nephroprotective Activity of Cordia Dichotoma against Cisplatin Induced Nephrotoxicity in Experimental Animals	Mrs.P.N.Jagtap
29	Ankita Mahadeo Kadam	Evaluation of pharmacological impact of herbal drugs on Arachidonic acid induced platelet aggregation and blood coagulation in experimental animals.	Mrs.P.N.Jagtap
30	Ashwini Mahadev Kunjir	Effect of Antihyperlipidemic Activity of a Polyherbal Formulation in Experimental Animals	Mrs.P.N.Jagtap

31	Vaishnavi Pradeep More	Evaluation of Anti-cataract activity of extract of seed of <i>Foeniculum vulgare</i> and shoots of <i>Asparagus officinalis</i> Ophthalmic drop on Selenite induced Cataract in Experimental Animals.	Mrs.P.N.Jagtap
32	Komal Dattatray Pol	Pharmacological Screening of Herbal Drugs for CNS Stimulant Activity.	Mrs.P.N.Jagtap


 Dr. R. S. Chavan
PRINCIPAL
 PUNE DISTRICT EDUCATION ASSOCIATION'S
 SETH GOVIND RAGHUNATH TABLE
 COLLEGE OF PHARMACY, WAD
 TAL. PURANDHAR, DIST. PUNE - 411 001

Pune District Education Association's
Seth Govind Raghunath Sable College of Pharmacy, Saswad, Dist-Pune

Participative Learning 2022-2023



Poster presentation at inter-collegiate competitions



Research paper presentation at Avishkar competitions 2022-23



Science Exhibition and Innovation-Start up Competition



Pune District Education Associations
Seth Govind Raghunath Sable College of Pharmacy, Saswad
NSS Special Winter Camp Report (2022-2023)

With the permission of NSS Dept, Savitribai Phule Pune University, Pune District Education Associations, Seth Govind Raghunath Sable College of Pharmacy, Saswad has organized NSS special winter camp from 6th to 11th February 2023 at the village A/P, Ambale, Tal- Purandhar, Pune. Total Fifty (50 nos.) NSS volunteers were enrolled for this camp as per first come first basis. In addition to NSS Program officer, two ladies teaching staff, one nonteaching staff and one peon were assigned full time duty for the safety and security of the NSS volunteers. All NSS volunteers were divided into six (6) groups and one member from each group was nominated as group leader for smooth conduct of camp activity.

During this camp, various social activities were carried out in the village as per daily schedule.

Daily Schedule:

Time	Particulars
6.00 - 7.00am	Good Morning
7.00 - 7.30 am	Prayer & Exercise, Yoga, NSS Song
7.30 - 8.00 am	Breakfast
8.00 am - 12.00 pm	Project (<i>Shramdan</i>)
- 12.00 - 1.00 pm	Lunch
1.00 - 3.00 pm	Rest & Preparation of Next Event
3.00 - 5.00 pm	Guest Lectures
5.00 - 5.30 pm	Tea Break
5.30 - 8.00 pm	Rally's & Interaction with villagers Dinner
8.00 - 09.00 pm	Dinner
9.00-10.00 pm	Social activities for Villagers
10.00 - 10.30 pm	Meeting of NSS programme officer with group leaders
10.30 pm	Good night

Staying arrangement:

Three rooms of Chh. Shivaji Vidyamandir Ambale were taken and utilized for staying of NSS volunteers and keeping of NSS departmental materials.

Project Completed:

During this camp, various projects (*Shramdan*) were undertaken and successfully completed in the village. These projects are as follows:

Day 1: On this day, project time was utilized to make proper staying arrangement of the NSS volunteers. The work completed includes: Swapping of village, school premises, cleaning of temple, school ground and nearby area, health checkup camp and social awareness activities.

Day 2: Cleaning of village surroundings: All streets of the village were cleaned apart from that the volunteers also cleaned the basins of the plants planted earlier and watered the plants.

Day 3: Cleaning of Temple and water tank: In this project, the Dhawaleshwar temple situated near to village was cleaned and the water tanks outside the temple was also cleaned by the NSS volunteers. They also shifted the material required to renovate temple.

Day 4: Preparation of the water reservation bridge: On day 4, NSS volunteers prepared a small bridge on the river for water reservation. This work was appreciated by the villagers.

Day 5: Health Checkup Camp: A public health camp was organized in collaboration with NSS Unit Pharmacy College Saswad and Rural Hospital Saswad and in collaboration with Gram Panchayat Amble.

Day 6: Cleaning of Play Ground and surrounding area: Play ground and the surrounding of Chh. Shivaji Vidyamandir Ambale was cleaned by NSS volunteers.

Other Activities:

In addition to 'Shramdan' projects, various other activities have been carried out during camp period in the village. These are as follows:

- **Rally & Survey:** Awareness rally & survey were conducted in the village to bring public awareness and to develop social responsibilities in the villagers to solve social issues. The topics selected for the awareness rallies were Voting Awareness, Female feticides, Addiction, Importance of education.
- **Health awareness programme:** In addition to awareness rallies, health awareness programme was conducted to bring public awareness of various spreadable diseases Female feticides, Addiction.
- **Guest Lectures:**
 - ✓ Dr. Sanjay Landge, Waghire Mahavidyalaya Saswad, delivered speech on *'Business education is the need of the hour'*.
 - ✓ Adv. Sachin Kudale, discussed about *'Anti-Child Marriage Act as well as Anti-Sexual Abuse Act'*
 - ✓ Mr. Suraj Gadade, Depute sarpanch, grampanchayat Tekavadi delivered lecture on topic *'Shivcharitra and inspiration to live life'*.
 - ✓ Mr Dattatray Jagtap, SGRS COP, Saswad, delivered lecture on *'Importance of Classical Music'*.
 - ✓ Dr. Jagdish Shevate, Professor, NSS officer, Shankaro Bhelke College Nasrapur, who guided our students about *'Development of NSS Volunteers'*.

Enoguration



Yoga



Yoga



Village cleaning



Village cleaning

Temple Cleaning

P. Schaver
PRINCIPAL

PUNE DISTRICT EDUCATION ASSOCIATIONS
SETH GOVIND NAGHIMATH SABLE
COLLEGE OF PHARMACY, SASWAD
TAL. PURANDHAR, DIST. PUNE-412 301



Temple Cleaning



Bridge for Water reservation:



Temple Cleaning



P. Schavon
PRINCIPAL

PUNE DISTRICT EDUCATION ASSOCIATION'S
 SETH GOVIND RAJGURATH SABLE
 COLLEGE OF PHARMACY, SASWAD
 TAL. PURANDHAR, DIST. PUNE-412 301



P. Chavhan
PRINCIPAL

PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAJGHOMATH SABLE
COLLEGE OF PHARMACY, SASWAD
TAL. PURANDHAR, DIST. PUNE-412 301

Health Checkup Camp:



Survey:



Guest Lectures:



P. Chavhan
PRINCIPAL

PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE
COLLEGE OF PHARMACY, SASWAD
TAL. PURANOMAR, DIST. PUNE-412 301

जागतिक फार्मासिस्ट दिनानिमित्त सामाजिक जनजागृती रॅली

■ राष्ट्रसंचार न्यूज नेटवर्क

सासवड : पुणे जिल्हा शिक्षण मंडळाचे शेठ गोविंद रघुनाथ साबळे पदवी व पदविका औषधनिर्माणशास्त्र महाविद्यालय सासवड येथे जागतिक फार्मासिस्ट दिन उत्साहात साजरा करण्यात आला व सामाजिक जनजागृती रॅली आयोजित करण्यात आली. या रॅलीमध्ये महाविद्यालयाच्या सर्व विद्यार्थ्यांनी सहभाग घेऊन आपण फार्मासिस्ट असून समाजातील सर्व लोकांचे आरोग्य निरोगी राहण्यासाठी सासवड शहरामध्ये जनजागृती केली. समाजातील लोकांचे आरोग्य निरोगी असणे ही आपली जबाबदारी आहे असा प्रत्येक फार्मासिस्ट समजतो. या अनुषंगाने महाविद्यालयातील विद्यार्थी व शिक्षक यांनी मोठ्या प्रमाणात शहरातील परिसरामध्ये विविध आजार व त्यांच्यावरील उपाय तसेच आजार होऊ नये म्हणून घ्यावयाची काळजी यांची जनजागृती केली. हा कार्यक्रम महाविद्यालयाच्या प्राचार्या डॉ. राजश्री चव्हाण यांच्या मार्गदर्शनाखाली घेण्यात आला. रॅलीचे आयोजन प्रा. वैभव शिळीमकर, प्रा. पायल बोरावके, प्रा. पद्मजा

शेठ गोविंद रघुनाथ साबळे कॉलेज ऑफ फार्मसी,

सासवड, ता. पुरंदर, जि. पुणे.

बदलत विज्ञान, बदलत मूल्ये.



राष्ट्रीय फार्मसी सप्ताह व जागतिक फार्मसीष्ट दिनानिमित्त
विविध आजारांवर जनजागृती मोहिम

आजार	ध्यावयाची काळजी	इन्फोग्राफिक्स
मधुमेह	हलका व्यायाम व योगासने, साधा आहार, जेवणात मिठाचे प्रमाण कमी किंवा बंद, पालेभाज्यांचा माफक समावेश भरपूर चालणे. धुम्रपान बंद करणे. डॉक्टरांनी सल्ल्याने नियमित तपासणी व औषधे घेणे.	
हृदयरोग	आहारात स्निग्ध पदार्थांचे प्रमाण कमी करणे. आहारात मिठाचे प्रमाण नियंत्रित ठेवणे. (५ ग्रॅम प्रति दिवस) आहारात पालेभाज्या तसेच फळांच्या सेवनाचे प्रमाण वाढविणे, धुम्रपान बंद करणे, मद्यपान बंद करणे. रक्तदाब नियंत्रित करणे. नियमित व्यायाम करणे व स्थूलपणा होऊ न देण्याची खबरदारी घेणे.	
कर्करोग	स्थूलपणा टाळणे. नियमित व्यायाम करणे. मद्यपान व तंबाखू सेवन टाळणे. आहार मिठाचे प्रमाण संतुलित ठेवणे. आहारात फळांचे व हिरव्या भाज्यांचे भरपूर प्रमाणात समावेश करणे.	
डेंग्यू	आठवड्यातून किमान एकदा घरातील पाणी भरलेली सर्व भांडी रिकामी करावी. पाणी साठवलेल्या भांड्यांना योग्य पद्धतीने व्यवस्थित झाकून ठेवावे. घराभोवतालचा जागा स्वच्छ आणि कोरडी ठेवावी. घराच्या भोवताली व छतांवर वापरात नसणारे टाकाऊ साहित्य ठेऊ नये.	

अधिक माहितीसाठी तज्ञ डॉक्टरांशी संपर्क साधावा.

Group No - 01

Pune District Education Association's
Seth Govind Raghunath Sable College of Pharmacy, Saswad

Trigger1:

A 40-year-old man named XY walks into the clinic where you work. He claims to have a sore throat and lumps in his neck. He had nausea and vomiting the night before. YU claims that these symptoms have been bothering him for over a week and that he "just feels really bad." He denies any shortness of breath, breathing difficulty, chest pain, lightheadedness, dizziness, or loss of consciousness.

XY stands 5'6" and weighs 140 pounds. He has a blood pressure of 135/92 mm Hg, a pulse rate of 121 beats per minute, and a temperature of 100.1°F.

The sinuses of XY are not painful, and his nares are normal. His throat is bright red. His neck is flexible, with two tender lymph nodes on his right side. XY states during questioning that he has been taking felodipine (10mg/daily) for hypertension for the past two years with no side effects. YU recalls developing a rash after being treated with bactrim (sulfamethoxazole/trimethoprim) for a bladder infection several years ago and having to be switched to another antibiotic. Because the rapid strep test is positive, XY is diagnosed with Strep throat. What would you suggest?

Pune District Education Association's
Seth Govind Raghunath Sable College of Pharmacy, Saswad.

FACILITATOR ASSESSMENT FORM

PBL No.: 1

Subject: Medicinal chemistry - II

Date: 02/05/2022

Please rate in the 5 point scale: 5- Excellent, 4- Very Good, 3- Good, 2- Satisfactory, 1 - Not satisfactory

Class: T.Y.B.Pharm.

Criteria	Roll No. of the student									
	1	2	3	4	5	6	7	8	9	10
Application of knowledge base										
Applies previous knowledge to clarify and define the problem.	5	5	5	5	5	5	5	5	5	5
Answers questions and shares his/her opinions by applying acquired knowledge.	5	5	5	5	4	5	5	5	5	5
Critical Thinking										
Demonstrate, evidence, critical understanding and critical analysis facts.	5	5	5	5	5	5	5	5	4	4
Is applicable making conclusion and decision regarding the diagnostic / therapeutic approaches?	4	5	5	5	5	4	4	5	5	5
Demonstrates evidence of following a sequential analysis of the problem.	5	4	5	5	4	5	5	5	5	5
Self Directed Learning(Self study)										
Defines learning objectives and learning goals.	5	5	5	4	5	5	5	4	5	5
Demonstrates evidence of accomplishment of learning objectives.	5	5	5	5	5	5	5	4	5	5
If necessary, seeks counseling to orient His/her study and willing to improve	5	5	5	5	5	5	5	5	5	5
Collaborative work					5	5	5			
Works towards achievement of the groups learning goals with commitment.	4	5	4	5	5	5	5	5	5	5
Demonstrates effective interpersonal attributes.	5	4	5	5	5	5	5	5	5	5
Accepts feedback with openness.	5	5	5	5	5	5	5	5	5	5
Reacts positively to feedback and criticism.	5	5	5	5	5	5	5	5	5	5
Stands up for his/her points of view.	5	5	5	5	5	5	5	5	5	5
Shows ability to change his/her point of view of new information given/ obtained.	5	5	5	5	5	4	5	5	5	5

Supriya.h

Signature of Facilitator

A question involving and causing discussion

Pune District Education Association's
Seth Govind Raghunath Sable College of Pharmacy, Saswad

Feedback of students on PBL conducted on 02/05/23

Subject: medicinal chemistry III

Class: T.Y.B. Pharm

This questionnaire has been designed to understand the opinion of students involved in the PBL activity so that the activity can be improved in the future. The group leader is advised to answer the questions on behalf of all the group members.
Please tick the appropriate box:

Trigger	Yes	No	Can't say
Was the trigger provided to you easily understandable?			
Was the trigger interesting?	✓		
Could you relate the trigger to your curriculum?	✓		
Role of facilitator	✓		
Did you find the role of facilitator useful in understanding the problem?			
Did you take the help of the facilitator in identifying the objectives of the problem?	✓		
Resources	✓		
Did you refer to the books available in the library for compiling the data related to your problem?	✓		
Were there sufficient reference books available in the library for researching the problem?	✓		
Did you find the internet facility and online resources adequate?	✓		
Overall activity			
Do you think PBL is enhancing your comprehension and analytical skills?	✓		
Do you think PBL is enhancing your referencing & researching skills?	✓		
Do you think PBL is contributing towards improving your communication and presentation skills?	✓		
Do you think this activity should be continued in future also?	✓		

Suggestions if any,-----

-----Pl. tear from here before submitting-----

Name of the group leader. Bankar Sanjaya A. Signature Sanjay

Group No.: 1

SGRS Collage of pharmacy, Saswad.

PBL - 2022-23
Medicinal Chemistry - III



Roll No	Name of student	Signature
01	Badhe pranav	
02	Aakash Bande	<i>[Signature]</i>
03	Sanjana Bankar [Co-ordinator]	<i>[Signature]</i>
04	Supriya Bhale [Reader]	<i>[Signature]</i>
05	Rohan Bhandari	<i>[Signature]</i>
06	Adarsh Bhoite	<i>[Signature]</i>
07	Rutika Bhoite	<i>[Signature]</i>
08	Shweta Bhasle	<i>[Signature]</i>
09	Nandini Bhujbal [Writer]	<i>[Signature]</i>
10	Rutuja Botre	<i>[Signature]</i>

Que 1] What is antibiotics and antibacterial?
→ ① - Antibiotics are those chemicals substance which are obtained from various species of micro-organisms that kills or inhibits the growth of another micro-organism in low concentration.

- Antibiotics -
- I] Bacteriocidal - kills the bacteria
- II] Bacteriostatics - Inhibit the growth of bacteria
- Ex - β -lactum antibiotics
 - penicillin
 - Cephalosporin
 - Monobactam etc.

② Antibacterial agents are a group of material that fight against pathogenic bacteria.
- A substance that kills bacteria or stops them from growing.



- Ex - Aminoglycosides
Tetracyclins etc.

Ques 2) classify it with examples along with structure?

Antibiotics

① Based on effectiveness

↓
Narrow Spectrum
- Nystatin
Broad Spectrum
- Chloramphenicol

② Based on sources

a) Natural - Bacitracin
- Tetracyclin
b) Semi-synthetic
- penicillin
c) Synthetic - chloramphenicol

③ Based on mechanism

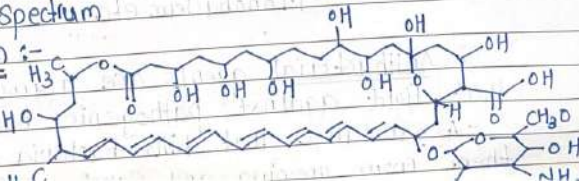
↓
Cell wall
- penicillins
Cytoplasmic membrane
- Amphotericin B
Protein Biosynthesis
- Tetracyclins
Nucleic acid
- Antinomycin

④ Based on chemical Nature -

↓
β-lactum antibiotics
- penicillin
- Cephalosporins
Amino glycosides
- streptomycin
- kanamycin
Tetracyclins
- Tetracyclin
- Doxycycline
Peptide antibiotic
- Macrolides
- Lincomycin
- Vancomycin
- Bacitracin
- other

1] Narrow Spectrum

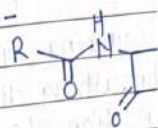
- Nystatin :-



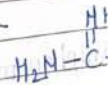
2] Broad spectrum
chloramphenicol

3] Based on effectiveness
a) Natural - Bacitracin
b) protein biosynthesis
- Tetracyclin

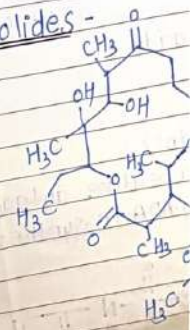
penicillin -



streptomycin -



Macrolides -



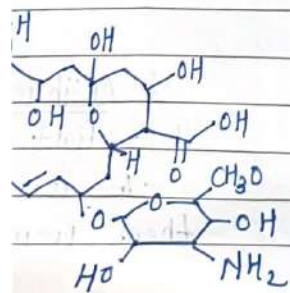
ing with structure?

used on sources

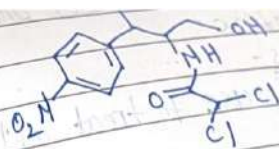
- a) Natural - Bacitracin
- Tetracycline
- b) Semi-synthetic - penicillin
- c) Synthetic - chloramphenicol

tein Nucleic acid
synthesis - Antinomycin
tetracyclins

peptide - Macrolides
antibiotic - Lincomycin
- Vancomycin - other
- Bacitracin

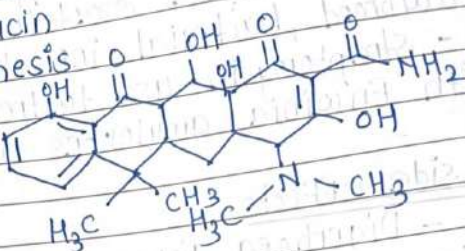


Broad spectrum
chloramphenicol

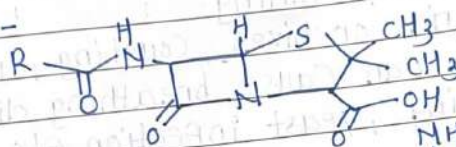


3) Based on effectiveness

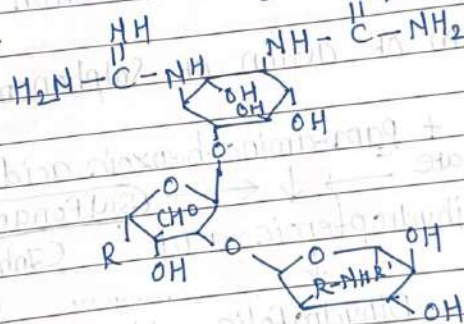
- a) Natural - Bacitracin
- b) protein biosynthesis
- Tetracycline



penicillin -

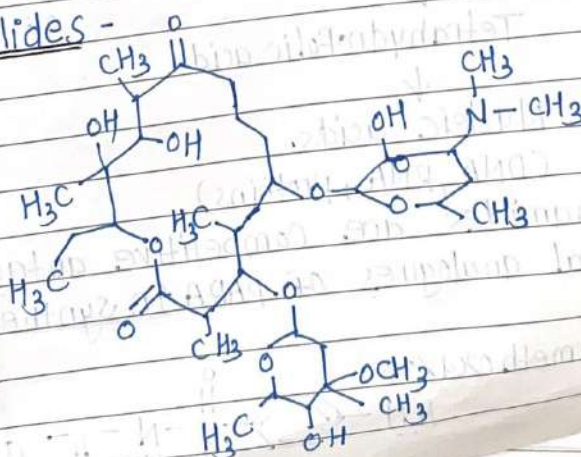


streptomycin -



R = -CH₃
R' = CH₂OH.

Macrolides -



Que 3) What are the uses and side effects of antibiotics.

→ 1) uses-

- It is used to treat wide variety of bacterial infections.
- To treat meningitis, syphilis, endocarditis.
- Antibiotic like oxytetracycline is used to treat fowl brood, bacterial infection of bee larvae.
- Streptomycin is used to treat fire blight, infection with *Erwinia amylovora* affecting apple orchards.

2) side effects.

- Diarrhoea, fever, body aches, severe skin rashes, itching, nausea, vomiting.
- Urticaria or hives, coughing, tightness of throat, which can cause breathing difficulties.
- Wheezing, yeast infection etc.

Que 4) Mechanism of action of Sulphonamide.

→

Pteridine + Para-amino-benzoic acid + Glutamic acid
Dihydropteroate $\xrightarrow{\text{Synthetase}}$ Dihydropteroic acid

(Sulfonamide) $\xrightarrow{\text{Inhibit the dihydropteroate synthetase / competitive antagonist of PABA}}$

Dihydrofolic acid

Tetrahydrofolic acid

Nucleic acids

(DNA, RNA, proteins)

- Sulfonamides are competitive antagonists and structural analogues of PABA in synthesis of folic acid.

e.g. Sulfamethoxazole

