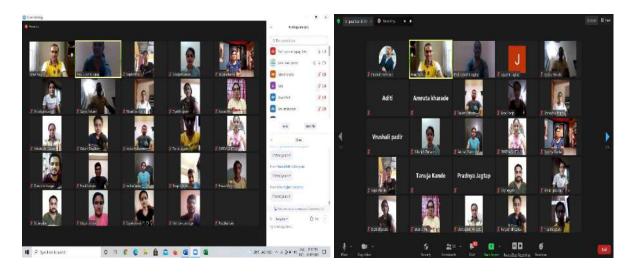
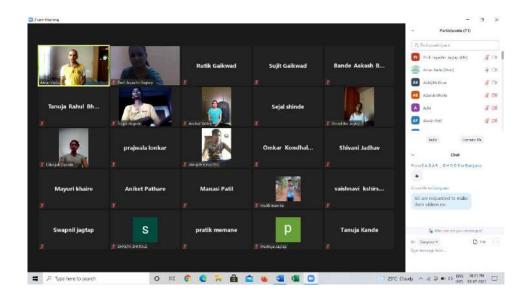
Participative Learning

Covid Care Program (01/07/2021- 03/07/2021):

Pune District Education Association's Seth Govind Raghunath Sable College of Pharmacy, Saswad has organized **Covid care Program** in association with Savitribai Phule Pune University, Pune and the Art of living Foundation from 01/07/2021- 03/07/2021 using online platform. The covid care program is a AICTE recommended certified program involves Yoga and meditation training. The Yoga experts Mr. Amar Kadu and Mrs. Vaidehi Kadu gave training of Yoga and meditation to the participant students and staff. Total 30 staff and 213 students participated in the training program. The activity was coordinated by Prof. Jayashri Jagtap, SGRS COP, saswad under the guidance of Mr. Hrishikesh Shah, District Council Member, Art of living and Dr. Rajashri Chavan, Principal, SGRS College of Pharmacy, Saswad.





Elocution Competition

On the occasion of birthday celebration of Hon. Ajitdada Pawar, Deputy Chief Minister, Maharashtra & President, Pune District Education Association, Pune. The college had organized elocution competition on 17th July 2021using online platform. A total of six students participated in the competition. Each student was allowed to talk for Two to five minutes on the topic. The programme was coordinated by Mr. Gaikwad R. K.

The winners of the Elocution competition are as given below:

- 1. Miss. Pandit Prateeksha D. (S Y B Pharm)
- 2. Miss Inamdar Srushti S. (T Y B Pharm)
- 3. Miss Misal Poonam B. (Final Y B Pharm)

The videos of elocution of winner students sent to Mamasaheb Mohol Mahavidyalay Pound road, Pune for PDEA level competition.





Photo of Elocution Competition



Experiential Learning

Post graduate as well as undergraduate students are encouraged to handle sophisticated instruments like UV, HPLC, GC, IR & DSC.







Group E: 41

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

2021-2022

PBL -1 TRIGGER

Class: Third Year B. Pharm. (Sem-VI)

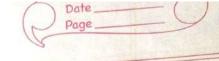
Subject: Herbal Drug Technology

Date:-

Trigger1

Past and Present Status of Herbal Medicines: Plants and natural products were used by humankind over the years as food and medicines to cure and prevent diseases. It is very difficult to point out an exact time when the use of plants was started as medicine, the carbon dating from ancient Babylon (Iraq) records that plants were cultivated as medicines 60,000 years ago Written materia medica of medicinal herbs go back approximately 5,000 years in India, China and Egypt and at least 2,500 years in Greece and Asia Minor. Neanderthal remains have been found to contain the remnants of medicinal herbs. Ancient Ayurveda was meant essentially to promote health, however, rather than fight disease. Charak Samhita (1000 BC) and Sushnat Samhita (100 AD) are the main text available. Ayurveda materia medica gives detailed descriptions of over 1500 herbs and 10,000 formulations.

Compilation of- Herbal drugs industry: Present scope and future prospects.



Herbal	Drug	Technolow	PRI - THAMPY.	
		recornorogy	182 1.79	
	0	3 3	PBL - Trigger. Date: 05/	0/122

(lass: Thind year B-pharm (sem-VI)

aroup Participants. (41-50)

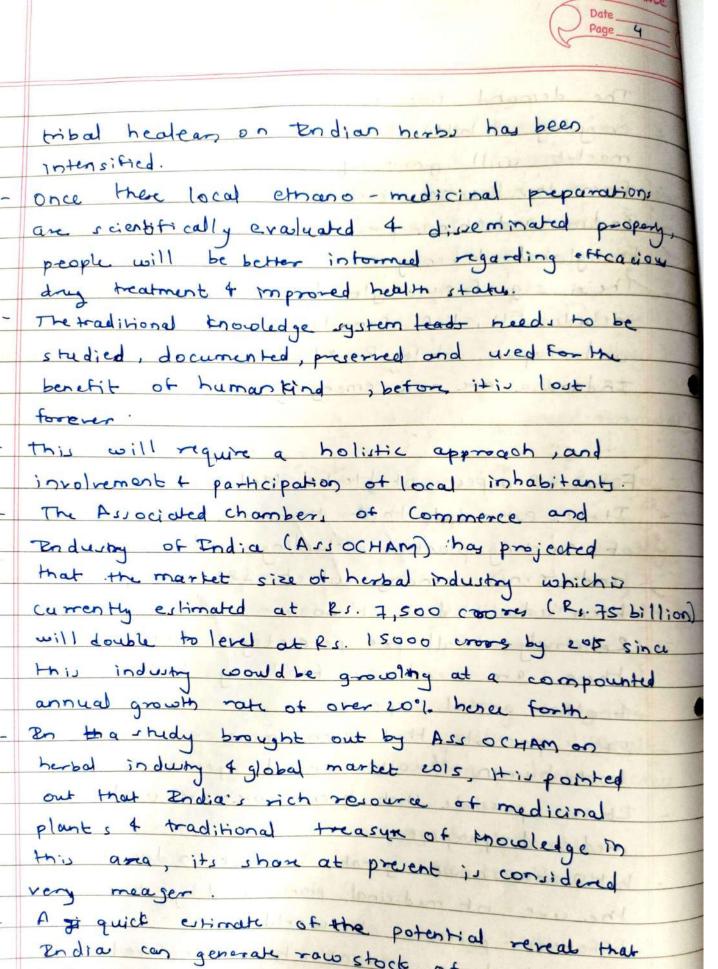
foll no.	Namy.	
41	Padher Achal Dattatray	
42	Pandit Pratiksha Dnyander	
93	Parsagle Mahader Shyem	
44	Pattl Manasi satuh	
45	Pawar Aditya Ashok	
48	Raut Ashish Umesh	
47	Rokde Virhalakshi sanjay	
48	saluntite Dhanauhri sanjay	
49	sarawde Ranjeet Anil	
50	souther om Vilas	LOUIS

. Present scope of Herbal drug industry: plant and natural products were wed by humantind over the years as food and medicines to cure and prevent disease Et is very difficult to point out an exact time when the use of plant was started of medicine, the corbon dating from acient Babylon (Iraq) records that plants were cultivated as medicines 60,000 years ago. Written meterial medica of medicinal herbe go back approximately 5000 years in Endia, China 4 Egypt 4 at least 2500 years in Greece 4 Asia Minos Neanderthal remains have been found to contain the remnants of medicinal herbs-Aci Ancient Ayurreda (4000BC) 4 surhnut samhita (100 AD) are the main text available. - Ayurreda materia medica giver detailed descriptions of over 1500 herbs 4 100000 formulations. Currently more than 80°6 of the world population depends on traditional & plant derived medicine because plants are important sources of medicine 4 presently about 25% of pharmaceutical prescriptions in the united stated contain at least one plant derived ingredient. In the last century, roughly 121 pharmaceutical products were formulated based on the translitional knowledge obtained from rarious sources. En fact, it is now & believed that nature contributes up

	Page 2
	90'1. to the new drug molecule.
	- Nature has provided many of the effective agent
	such as dactinomycin, bleomycin, 4 dozombicin,
	vin blatine, innotecan , topotecan , etoposide , & paciland
	(anticanur), efloquire, chloroquire, amodiquire,
	artemicinin, artemether + arteether (anti-modarial)
	methormis & eventually the other biguaride.
	harunganin, empholopine, maprouneaux (anti- 1: abe tic)
	calanolide A, curcumin aphenoxidial (anti-Htv drugs)
	ety.
_	Endia has around 25,000 effective plant based formular
	used traditionally with over 1.5 million
	practitioner of tradional medicinal system & 7800
	medicinal drug manufacturing units mændia,
	which consume about 200 otones of herbs cannually
-	traditional medicine in most regions of the size !!
	taker place after WHO Traditional Malian
	, sime indirect also delegated be
	DOWN COUNTRY TOO TO COLOR
_	The diversity of regulation &
	for Traditional medicinal products make it difficult to assess the size of the market for
	member states accurately. Products across
_	However, available data the suggests that the
	Traditional medicine have significant market in
	member states. market in
-	endian horad market is here
	Rodian herbal market is mena nearly 50 billion one billion rupers
-	one billion rupers worth of herbal product are
	being exported. Produce
-	ave are



The demand for medicinal plants is increasing everyday 4 WHO has projected that global herbal market will grow up to \$ 5 tillion in 2050 from the current level of \$ 62 boillion. India and china produce more than for 6 of the global diversity. The is sign: Ficant global herbal export market molude EU, USA, canada, Australia, singapore. and Japan while Brazil, Angertina, Mexico, China and Indonesia are new emerging market Future Prospects of Herbal Medicine: -It is estimated that there are about 35000 species of existing plants (inclutding seed plants, bryophyte, and ferns), among which 287 655 speices have been identified as of 2004. Relatively small pre percentages (1 to 10°10) of there are used as foods by both humans 4 other animal species. Et is possible that even more are used as foods by both human & other animal species. - It is possible that even more are used for WHO has shown great interest in documenting the use of medicinal plants used by tribes from different party of the world. - many developing countries bare intensified their escents in documenting the ethno-medicinal data on to find out scientific evidence for claims by nedicinal plants.



this area, its shore at prevent is considered very meager A gi quick estimate of the potential reveal that Endia con generale row stock of around Rs. 300 billion and early achieve around 150 billion Re

Intensified.

Feedback of students on PBL conducted on	,
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Subject: Herbal Drug Technology

Class: Third Year 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	BUILD		
Did you refer to the books available in the library for compiling the data	-		
related to your problem?	Man and		
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 PRI 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	-		
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 Patil Manaish Signature

FACILITATOR ASSESSMENT FORM

PBL No.: 1

Subject: Herbal Drug Technology Class:S Third Year B, Pharm

ss:S Third Year B. Pharm Date:

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

3-Good,

2- Satisfactory, 1 - Not satisfactory										
Roll No. of the student	41	42	43	44	45	46	41	48	43	50
Application of knowledge base										
Applies previous knowledge to clarify and define the problem.	4	4	4	5	4	4	5	4	4	4
Answers questions and shares his/her opinions by applying acquired knowledge.	4	4	5	5	4	4	5	5	4	4
Critical Thinking										
Demonstrate, evidence, critical understanding and critical analysis facts.	3	4	4	5	5	4	5	4	4	4
Is applicable making conclusion and decision regarding the diagnostic / therapeutic approaches?	4	3	5	5	4	3	s	5	4	4
Demonstrates evidence of following a sequential analysis of the problem.	4	4	4	5	4	3	5	4	4	4
Self Directed Learning(Self study)										
Defines learning objectives and learning goals.	3	4	5	5	5	3	5	4	4	4
Demonstrates evidence of accomplishment of learning objectives.	3	4	4	5	4	3	5	5	4	4
If necessary, seeks counseling to orient His/her study and willing to improve	4	4	4	5	5	4	s	4	4	4
Collaborative work	4			1					-	1
Works towards achievement of the groups learning goals with commitment.	4	4	5	5	4	21	5 5	4	4	4
Demonstrates effective interpersonal attributes.	U	4	L	1 5	4	18	5	5	4	L
Accepts feedback with openness.	L	14	L	1 5	5	7	3 4	-	1 4	-
Reacts positively to feedback and criticism.	L	1 4	1 5	5 5	4	3			4	-
Stands up for his/her points of view.	L	1 4	,	1 5	5 1	1 4	1 5	4	4	-
Shows ability to change his/her point of view of new information given/ obtained.	f	1 L	1 -	5 3	5 .	7 3	3 5	5 (1 4	

This year)

2021-2022

PBL -1 TRIGGER

Class: F. Y. B. Pharm. (Sem.-II) Subject: Pharmaceutical Organic Chemistry-I

Date: 10/06/2022

$$CO_2H$$
 CO_2H CO_2

- 1) I < II < III < IV
- 2) $II < I \le III \le IV$
- 3) III \leq II \leq IV \leq I
- 4) IV < I < II < III

Arrange the above carboxylic acids with their increasing order of acidic strength and justify your answer.

(MM. s.n. Jugter) Subject Teacher

Pune District Education Association's

Seth Govind Raghunath Sable College of Pharmacy, Saswad.

FACILITATOR'S NOTES

Learning Objectives:

- 1) To learnt about acidity of organic compounds
- 2) To learnt about the different functional groups and its acidity
- 3) To study effect of substituent on acidity of organic compounds.

Compilation of:

- 1) Select correct option of acidity order.
- 2) Give explanation of correct option
- 3) Give explanation of incorrect options
- 4) Explain about acidity of organic compounds.
- 5) Explain effect of substituent on acidity of organic compounds.

References:

- 1) Advanced Organic Chemistry by Bahl & Bahl, S Chand Publication, Twentieth Revised Edition, 2011.
- 2) Organic Chemistry by Morrison & Boyd, 6th edition, Pearson Education.
- 3) Advanced General Organic Chemistry A Modern Approach by S. K. Ghosh, New Central Book Agency (P) Ltd.,3rd edition.

and Marila

2021-2022 **PBL**

Class: F. Y. B. Pharm. (Sem.-II))
Subject: Pharmaceutical Organic Chemistry-I

Date: 10/06/2022

Sr. No.	Name of Facilitator	Group	Roll number of the students
1.	Ms. Jagtap V. D.	1	1-09
2.	Mr. Nigade G. B.	2	10-18
3.	Ms. Khatal S.S.	3	19-27
4.	Mrs. Jagtap J. R.	4	28-36
5.	Mr. Kale A. P.	5	37-45
6.	Mr. Bhosale N. R.	6	46-54
7.	Mr. Shilimkar V. C.	7	55-65

Cener. S. D. Sagtand

Feedback of students on PBL conducted on 10/06/2022

Subject: Pharmaceutical Organic Chemistry-I Class: F. Y. B. Pharm. (Sem.-II) 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

1 rigger	Yes	No	Can't say
Was the trigger provided to you easily understandable?	1		
Was the trigger interesting?	1		
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?	~	E	
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	7		-
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?			
The state of the s			

Suggestions if any				
1/0				
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Ø 9a 1951 2051 1961 1961	, Ala			
			13	
PL tear from here	before submitting			
Name of the group leader Signature.	are Rutuj	a Sanjay	Kapare.	F
Group No.: 4				

PBL No.: 1

Date: 10/06/2022

Subject: Pharmaceutical Organic Chemistry-I Cass: F. Y. B. Pharm. (Sem.-II)

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

satisfactory

Roll No. of the student										
Criteria	28	29	30	31	32	33	34	35	36	
Application of knowledge base				7						
Applies previous knowledge to clarify and define the problem.	5	4	4	5	5	4	5	4	4	
Answers questions and shares his/her opinions by applying acquired knowledge.	5	5	5	4	5	4	5	5	5	
Critical Thinking		,								
Demonstrate, evidence, critical understanding and critical analysis facts.	4	4	4	5	5	4	5	4	4	
Is applicable making conclusion and decision regarding the diagnostic / therapeutic approaches?	4	5	5	4	4	5	5	5	5	
Demonstrates evidence of following a sequential analysis of the problem.	5	4	4	5	5	4	5	5	5	
Self Directed Learning(Self study)				*						
Defines learning objectives and learning goals.	5	4	4	5	5	5	5	5	5	
Demonstrates evidence of accomplishment of learning objectives.	5	5	5	4	5	4	5	5	S	
If necessary, seeks counseling to orient His/her study and willing to improve	5	4	4	5	5	4	5	4	4	
Collaborative work										
Works towards achievement of the groups learning goals with commitment.	5	4	4	5	4	5	5	4	4	
Demonstrates effective interpersonal attributes.	5	4	4	4	5	4	4	5	2	
Accepts feedback with openness.	5	4	4	4	5	4	4	4	4	- 19
Reacts positively to feedback and criticism.	4	4	4	4	4	4	5	4	4	
Stands up for his/her points of view.	4	4	4	4	5	4	4	4	4	
Shows ability to change his/her point of view of new information given/ obtained.	5	4	4	5	5	4	5	5	5	

Signature of Facilitator

(Mr. Jagtup

	classmate	
	Date	2
C	Page	

PBL
Date Page
Select correct option of acidity order
TITE TO THE STATE OF THE STATE
III - II < IV < I
Give explored is prisoned in a special of the control of the contr
of II Coxxect contion
CITCLE OF WITHOUT ON THE COURSE
COMPONING OCICE
AF pareto atibion paismoni.
Electron donating groups decrease the
acidity of carboxylic acids -CH3, -OCH3, -OH
COOH COOH COOH
OH CI NO
SC CONTRACTOR CARCOLOGICAL CONTRACTOR CONTRA

/	
8.4	Acidity trofor carboxylic tracidsmos ytibiso our Tiv
	Sta ength of weak acid
1)	carboxylic acids are acidic in mature. They cam
5	domate proton and form salt with bases
	carboxylic acids are acidic and lose a
4,41	moi outo lyxodros agunsad winder motorg
	R-C-OH + NOOHO-+ > IOR-C-OO NOTO + H20
	carboxylic Baseroser salt hasilidate
10	acid
1	
2)	Acidity comstant: Strong-acids-ce.g. HCI or H2504) completely iomize im aqueous solution.
:]	strong-acids (e.g. HCI or H2504) completely
il e	iomize im aqueous solution.
11 15	carboxylic acids are weak acids
Liii	They are only partially ionized in aqueous
	solution & equilibrium exists between iomized
	and unionized forms.
	R-6-04 + 420 = R-0-00 + 430 +
20	R-C-04 + 420 = R-C-0 + 430
, ,	
[7]	The extent of ionization is described by an
<u>*</u>	equilibrium constant ka which is known as
	Acidity constant
V <u>J</u> 25	It is defined concentration of product
	of iomization in moles per litre divided
i	by concentration of unionized acids
	Ra = [Rcoo] [H30]
30	ERCOOHT

ViJ	The acidity constant describe relative
	Strength of weak acid
mo.	MECARDOXINIC acids are acidic in mature They
25	elad drim flos angot band potogg stomah
	carboxylic acids are acidic and lose a
	proton readily because carpoxylate ion
	for med by ionization with base is
	formed by ionization with base is stabilized they resomand sily and the
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	CD 0 0
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	o moissino mi Dimoi
<u></u>	15 China Sungalogia opina vilvixologiano Lii
	iii) They are only pastially ionized in anueoul
100	Southion & equilibrium exists between indi-
	2 meode posimo puo
	20 ONIN + PONO-9 1 - 9 ONH + HONG-9
	on vid hadisalar ai i'i i i a
2	ing the extent of ionization is described by an equilibrium constant Ra which is Renown of
	t-motion vibion
	estouborg to moitortmenmon bemiles is it
	Abivih 98 Fil 899 2010 m mi moito simoi 70
	Abiso by simoims To moitox to mason yo
	Ka = TRCOO'I LH30'I
30	FH00087

0.2 why tother three option is in correct > In other oftion there is no such order of increasing acidity like Give, Exprist of The Stranger ociental Flectoon withdrawing groups in sense so the arrest oftion is in corect hence, they are in consect oftion of increasing acidity Strength Flection donating groups decrease + acidity of carperylic acids