



Shri Yashwantrao Bhonsale Education Society's



Yashwantrao Bhonsale College of Pharmacy

A/P: Charathe (Vazarwadi), Tal: Sawantwadi, Dist: Sindhudurg – 416 510 (M. S.)


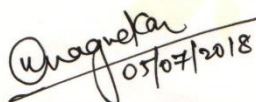

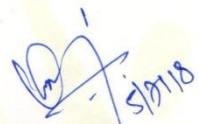
A REPORT ON

“WINDOW DISPLAY COMMITTEE”

2018 - 2019

Museum Committee aka Window Display Committee of Yashwantrao Bhonsale College of Pharmacy, Sawantwadi constitutes biannually for recreation purpose.

Constitution for winter term the academic year 2018 - 19

																																			
Shri Yashwantrao Bhonsale Education Society's																																			
YASHWANTRAO BHONSALE COLLEGE OF PHARMACY																																			
DTE CODE 3480																																			
Approved by AICTE, Govt. of Maharashtra, DTE & Affiliated to University of Mumbai																																			
Ref. No. 08/2018-19																																			
Date : 05/07/2018																																			
<u>NOTICE</u>																																			
This circular is to inform the following teaching & non-teaching staff members for their appointment in the constitution of Museum Committee aka Window Display Committee.																																			
<table border="1"><thead><tr><th>Sr. No.</th><th>Name of Member</th><th>Designation</th></tr></thead><tbody><tr><td>1.</td><td>Dr. Vijay A. Jagtap</td><td>Chairman</td></tr><tr><td>2.</td><td>Mr. Utkarsh V. Nagvekar</td><td>In-charge</td></tr><tr><td>3.</td><td>Ms. Kavita S. Chavan</td><td>Head, Final Year B. Pharm.</td></tr><tr><td>4.</td><td>Ms. Shweta V. Shirodkar</td><td>Head, Third Year B. Pharm.</td></tr><tr><td>5.</td><td>Ms. Ankita V. Govekar</td><td>Head, S. Y. B. Pharm. Div. A</td></tr><tr><td>6.</td><td>Ms. Gauri U. Bhivshet</td><td>Head, S. Y. B. Pharm. Div. B</td></tr><tr><td>7.</td><td>Ms. Gayatri G. Shetgaonkar</td><td>Head, F. Y. B. Pharm. Div. A</td></tr><tr><td>8.</td><td>Ms. Namita G. Narvekar</td><td>Head, F. Y. B. Pharm. Div. B</td></tr><tr><td>9.</td><td>Ms. Sparsha S. Bandekar</td><td>Selection expert</td></tr><tr><td>10.</td><td>Mr. Kedar Kavtikar</td><td>Helper</td></tr></tbody></table>			Sr. No.	Name of Member	Designation	1.	Dr. Vijay A. Jagtap	Chairman	2.	Mr. Utkarsh V. Nagvekar	In-charge	3.	Ms. Kavita S. Chavan	Head, Final Year B. Pharm.	4.	Ms. Shweta V. Shirodkar	Head, Third Year B. Pharm.	5.	Ms. Ankita V. Govekar	Head, S. Y. B. Pharm. Div. A	6.	Ms. Gauri U. Bhivshet	Head, S. Y. B. Pharm. Div. B	7.	Ms. Gayatri G. Shetgaonkar	Head, F. Y. B. Pharm. Div. A	8.	Ms. Namita G. Narvekar	Head, F. Y. B. Pharm. Div. B	9.	Ms. Sparsha S. Bandekar	Selection expert	10.	Mr. Kedar Kavtikar	Helper
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Dated: 05 th July 2018																																			
<div><div> Mr. Utkarsh V. Nagvekar Museum Committee I/C</div><div></div><div> Dr. V. A. Jagtap PRINCIPAL Yashwantrao Bhonsale College of Pharmacy</div></div>																																			

Constitution for summer term the academic year 2018 - 19



DTE CODE 3480
MSBTE CODE 1878

Shri Yashwantrao Bhonsale Education Society's YASHWANTRAO BHONSALE COLLEGE OF PHARMACY

B. PHARMACY

D. PHARMACY

Approved by AICTE, PCI New Delhi, Govt of Maharashtra, DTE & Affiliated to Mumbai University (B.Pharm) & MSBTE (D. Pharm)

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Mrs. Adv. Asmita A. Sawantbhonsale
Chairman

Mr. Achyut K. Sawantbhonsale
Exe. Chairman

Mr. Sanjeev I. Desai
Secretary

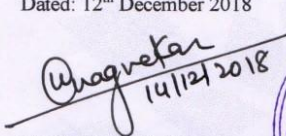
Dr. Vijay A. Jagtap
M.Pharm., Ph.D.
Principal
9890599905

NOTICE


This circular is to inform the following teaching & non-teaching staff members for their appointment in the constitution of Museum Committee aka Window Display Committee for the academic year 2018 – 19.

Sr. No.	Name of Member	Designation
1.	Dr. Vijay A. Jagtap	Chairman
2.	Mr. Utkarsh V. Nagvekar	In-charge
3.	Ms. Kavita S. Chavan	Head, Final Year B. Pharm.
4.	Ms. Gauri U. Bhivshet	Head, Third Year B. Pharm.
5.	Ms. Shweta V. Shiroadkar	Head, S. Y. B. Pharm. Div. A
6.	Mr. Tanmay L. Patwardhan	Head, S. Y. B. Pharm. Div. B
7.	Ms. Namita G. Narvekar	Head, F. Y. B. Pharm. Div. A
8.	Ms. Gayatri G. Shetgaonkar	Head, F. Y. B. Pharm. Div. B
9.	Ms. Sparsha S. Bandekar	Selection expert
10.	Mr. Kedar Kavitkar	Helper

Dated: 12th December 2018


Mr. Utkarsh V. Nagvekar
Museum Committee I/C




Dr. V. A. Jagtap
PRINCIPAL
YASHWANTRAO BHONSALE
COLLEGE OF PHARMACY

Window Display Committee aka Museum Committee serves Yashwantrao Bhonsale College of Pharmacy, Sawantwadi for the following aims and objectives:-

- ❖ To explore the students for their scientific literature into artistic documentation.
- ❖ To create recreation in leisure.
- ❖ To develop creative skills amongst students apart academics.
- ❖ To capture mindsets of budding pharmacists in reel of art.
- ❖ To understand and exploit students creativity in pharma world.
- ❖ To train the students in artistic presentation for future prospective.
- ❖ To inculcate a method of “search - choose – select & write”, which will develop our students’ pharmacore and intelligence.
- ❖ To manuscript literature in the form of art.

Work profile

- Search, selection and compilation : First 12 days of month
 - Deadline for submission of articles : 13th day of month
 - Selection & sorting of articles : 14th day of month
 - Display of articles on the board : 15th day of each month
 - Selection @ monthly basis by selection expert
 - Title of best article certificate is decided by Head & Selection Expert
 - The decision of the jury is final with the consent of Principal.
- ✓ Window Display Committee jointly initiates the title for window display boards.

Sr. No.	Class	Title
1.	First Year B. Pharm.	Sparkling Era
2.	Second Year B. Pharm.	Scientia
3.	Third Year B. Pharm.	Pharma Delight
4.	Fourth Year B. Pharm.	Gygnosco

Glances of Window Display Scientific Articles

CARDIOPULMONARY BYPASS COMPLICATION

"4H'S OF CPB"

H

HYPOTHERMIA

Because blood is cooled during CPB to slow the body's basal metabolic rate.

H

HEMODILUTION

Due to administration of isotonic crystalloid solution during the procedure.

H

HEPARINIZATION

Heparin is used to prevent clotting & thrombus forming in the bypass circuit when blood comes in contact with surface of the tubing.

H

HEAD OR "PUMP HEAD"

AKA postpulsation syndrome, include defect associated with attention, concentration, short term memory, and fine motor function.

Development of an Ointment Formulation Using Hot-Melt Extrusion

Hot melt extrusion is a process of converting raw material into a product of uniform shape and density by forcing it through a die under controlled condition.

HOT-MELT EXTRUSION

Dosing - metering - melting - mixing - pumping - forming



Procedure:- In hot-melt extrusion, a blend of polymer and excipients in powder form add in feeding is transferred by a rotating screw through the heated barrel in the extruder. The molten mass is pumped through die at the end of extruder. In the melting zone the polymer softens and melts, moving by circulation in a helical path. The melted mass uniformly mix and homogeneous. The molten uniform mass discharge by pumping and collect in container.

Reference:-

Hot melt extrusion, an Emerging Drug Delivery Technology by Monika Pawan.

Sayani Sunil Padwal
Final Year B Pharm

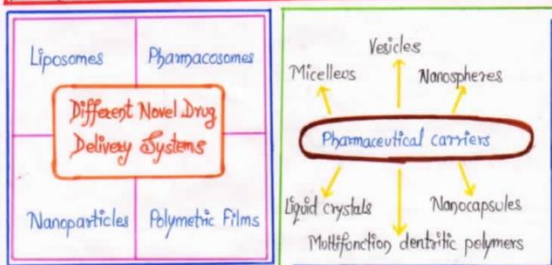
Roll No.- 37
'B' Batch

PHARMACEUTICS & NOVEL DRUG DELIVERY SYSTEM.

Nanotechnology and its advancements have given new direction to the medical science. The drug delivery is highly integrated and requires various disciplines such as chemist, biologist and engineers to join forces to optimize this system. It is greatly observed that nano particles are promising tools to the advancement of drug delivery, medical imaging and diagnostic sensors.

There are many nano devices used in drug delivery.

Eg: Micelles, vesicles, dendritic polymers, liquid crystals, nano capsules, nano spheres, nano wires, nano tubes.



Why Nanomaterials ?

- Small size.
- Higher surface area.
- Controlled & targeted drug delivery.
- Reduce side effect.
- Low dosage required.
- Uniform drug delivery.

• Novel Drug delivery system (NDDS) refers to the approaches technology and systems for transporting a pharmaceutical compound in the body as needed to safely achieve its desired therapeutic effects.

• NDDS is a combination of advanced technique and new dosage forms which are far better than the conventional dosage forms.

Name : Simpnali Parab
Class : F.Y. B Pharm.
Div : B
Ref : Riggs B in cancer chemotherapy.

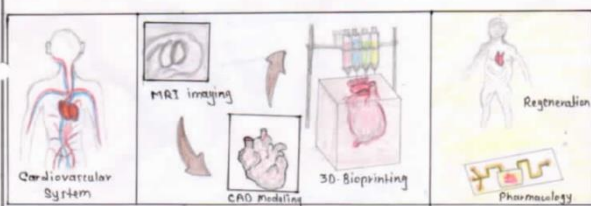
GLUCOSE-LOWERING DRUGS & CARDIOVASCULAR RISK: HOW RECENT OUTCOMES TRIALS HAVE INFORMED PRACTICE

Type 2 diabetes is associated with excess vascular disease & premature mortality. Although large clinical trials with glucose lowering drugs have consistently shown beneficial reductions in microvascular complications, their effects on macrovascular complications have been controversial. In recent years, the United States Food & drug Administration, the body responsible for evaluating the safety & efficacy of medicines in the United states, has required data from large prospective trials to assess the safety of new glucose-lowering drugs on cardiovascular outcomes. Interpreting these trials is complicated by substantial differences in their design, the populations studied & data analysis. This review examines how the trials have evolved and how they impact the use of glucose-lowering agents in the routine care patients with type-2 diabetes.

Glimpses of Window Display Scientific Articles

3D Bioprinting for Cardiovascular Regeneration

Cardiovascular disease (CVD) is a major cause of morbidity and mortality worldwide. Compared to traditional therapeutic strategies, three dimensional (3D) bioprinting is one of the most advanced techniques for creating complicated cardiovascular implants with biomimetic features, which are capable of recapitulating both the native physicochemical and biomechanical characteristics of the cardiovascular system. The present review provides an overview of the cardiovascular system, as well as describes the principles of, and recent advances in, 3D bioprinting cardiovascular tissues and models. Moreover, this review will focus on the applications of 3D bioprinting technology in cardiovascular repair/regeneration and pharmacological modeling.



Reference :- American Journal of Advanced Drug Delivery system
By: Haitao Cui, Lijie Grace Zhang.

Name : Mamata Pradip Bagave.
Class :- Final year B. Pharmacy Roll No. 01

Recurrent Seizure's after Lidocaine Ingestion

Lidocaine has concentration-dependent effect on seizures. Concentrations above 1.5 μg/ml frequently result in seizures in laboratory animals and human. We report a case of central Nervous System (CNS) lidocaine toxicity and recurrent seizure after erroneous ingestion of lidocaine solution. A 4 years old boy presented to the Emergency Department of Imam Hospital of Jari in December 2013 due to tonic-clonic generalized seizures approximately 30 min ago. 3 hr before seizure, his mother gave him 2 spoon (amount 20-25 cc) lidocaine hydrochloride 2% solution instead of pediatric gripe by mistake. Seizure with generalised tonic-clonic occurred 3 times in home. Neurological examination was essentially unremarkable except for the depressed level of consciousness. Personal and Medical history was unremarkable. There was no evidence of intracranial ischemic or hemorrhagic lesions in computed Tomography Scan. There were no further seizures. The condition of the patient remained stable and he was discharged 2 days after admission. The use of various lidocaine may result in cardiovascular and toxicity particularly in children. Conservative management is the best option for treatment of lidocaine induced seizure in ingestion.

Reference: Hamed Aminahmadi, Nazanin Nojati et al.
Journal of advanced pharmaceutical technology & Research, Sept 28, 2016, Iss. 1, Vol. 6, P. N. 35.
Rashmi Laxman Ghosh, Final Year B. Pharm Roll No - 19.

FLOATING TABLET for SUSTAIN RELEASE

Gastroretentive drug delivery systems are designed to be retained in stomach for prolonged time.

The present study was carried out with an objective of preparing and in vitro evaluation of floating tablets of ranitidine HCl as a model drug. The floating tablets were based on sodium bicarbonate and polyethylene oxide (PEO) using ranitidine HCl as a model drug. The floating tablets were prepared by dry granulation method. The effect of polymers concentration and viscosity grades of HPMC on drug release profile was evaluated. The effect of sodium bicarbonate and stearic acid on drug release profile was evaluated. The formulation containing HPMC K15MC and PEO showed drug release at the end of 24 hours.

Reference :- Internet International Research Journal of pharmacy by Vishal Sachdev

Madhavi Surve (Roll No. 50)

Apple -

Anticancer food

Apple plant chemicals called flavonoids, which act as antioxidants by scavenging free radicals that are destructive to your genes and by supporting normal inflammation control. Cancer is disease characterised by increased inflammation & oxidative stress from roaming electrons, which damage your DNA the way rust damage metal. This damage is the first step in the development of cancer. Eating foods rich in protective plant chemicals is not only a powerful way to protect your genes but to turn genes on and off as well. JUST THINK ABOUT IT..... Your food is talking to your genes!!!

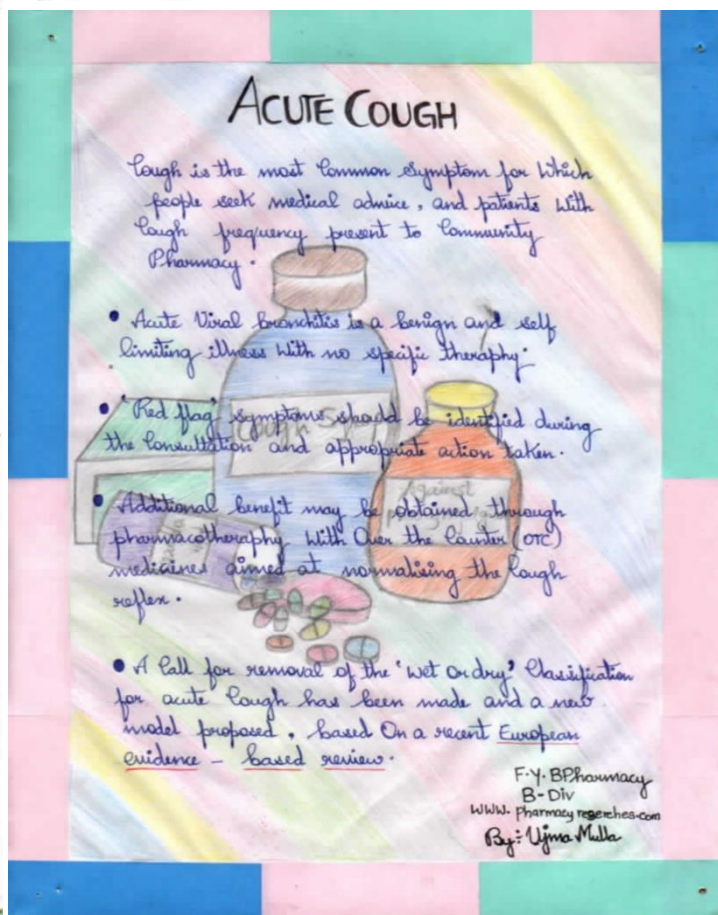
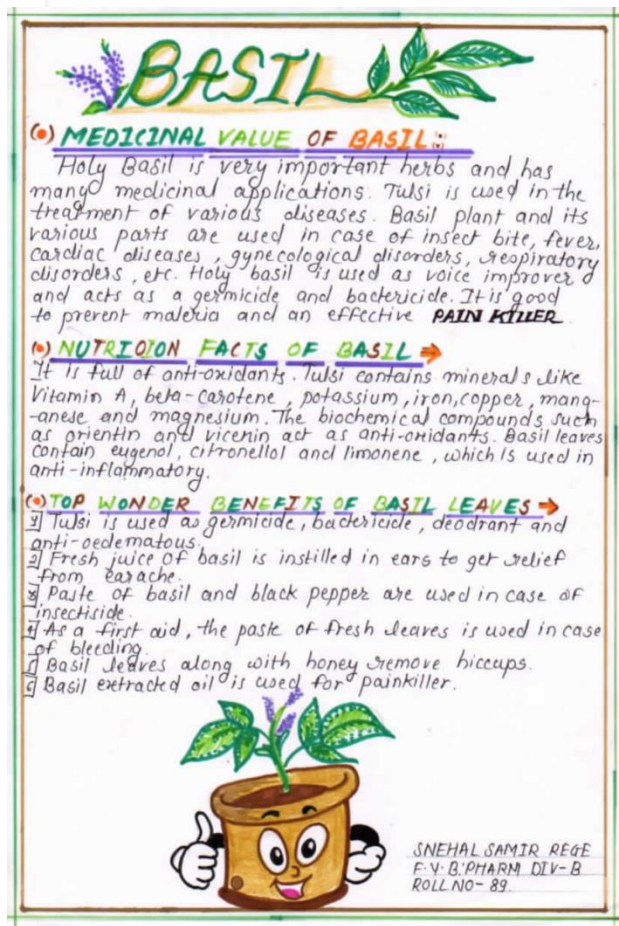
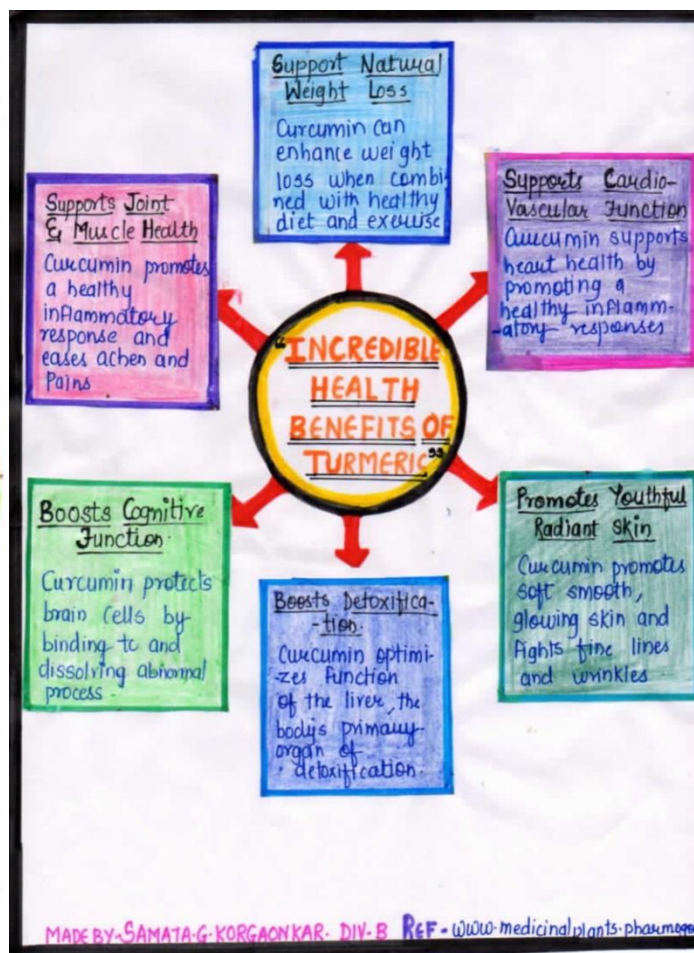
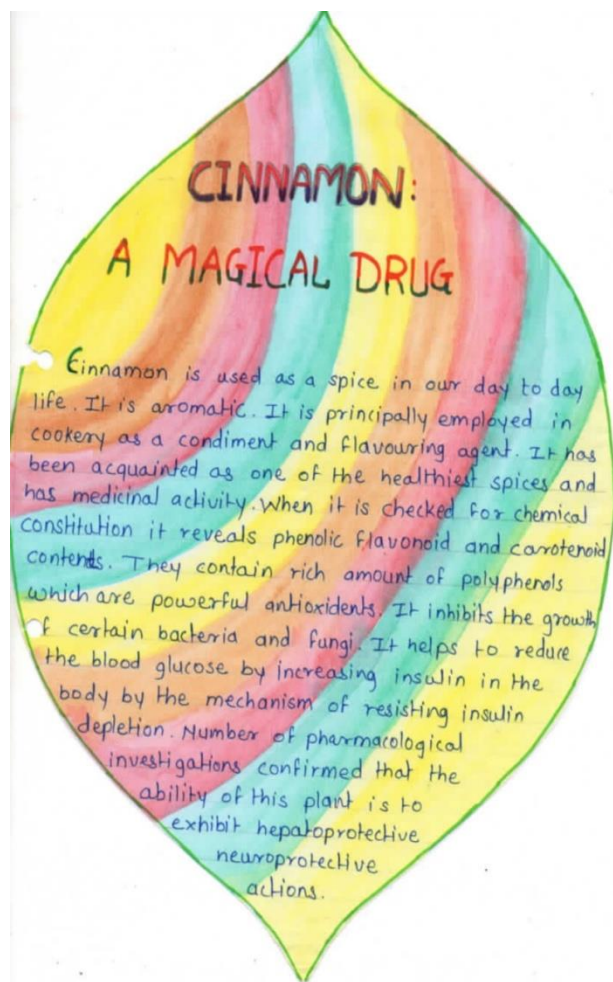
Apples are widely consumed, rich source of phytochemicals and epidemiological of apples with reduced risk of some cancers, Cardiovascular disease, asthma & diabetes. Apples have very strong antioxidant activity, inhibit cancer cell proliferation, decrease lipid oxidation, lower cholesterol.

Apple contain a variety of phytochemicals, including quercetin, catechin, phloridzin & chlorogenic acid, all of which are strong antioxidants. The phytochemical composition of apples varies greatly between diff varieties of apples.

Shih-Hsin Tu, Li-Ching Chen, 'Journal of food & Drug Analysis', Volume 25, Issue 1, January 2017, page No. 113-124.

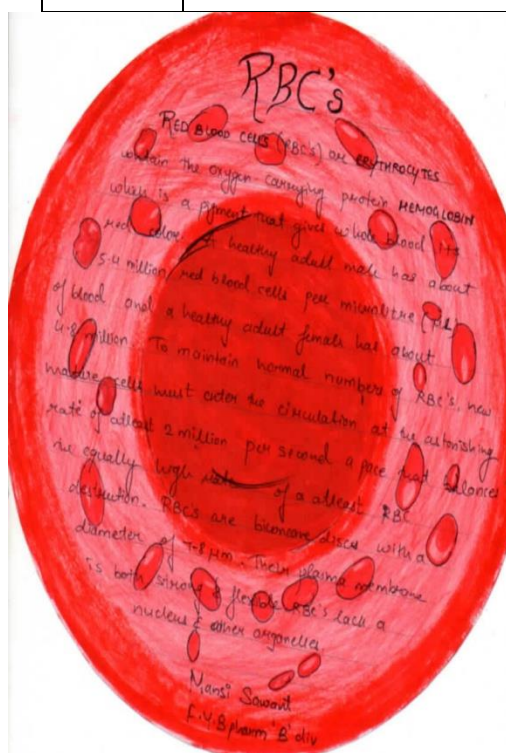
SNEHA D. SUTAR, Roll No :- 52
Fourth Year B. Pharm.


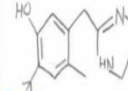


Glimpses of Window Display Scientific Articles



Window Display Committee invited student representatives for submission of art work to respective class heads:-

Sr. No.	Class	Student representatives	
1.	First Year B. Pharm.	Div. A	Mr. Rugved S. Kashalikar
			Ms. Tanvee L. Rawool
		Div. B	Ms. Tanvi S. Bandekar
			Ms. Rutuja R. Shinde
2.	Second Year B. Pharm.	Div. A	Ms. Heena Kajrekar
			Ms. Anuradha Shenai
		Div. B	Ms. Mayuri Sawant
			Ms. Priyanka Jadhav
3.	Third Year B. Pharm.	Batch A	Mr. Siddhesh Gosavi
		Batch B	Ms. Sanyuja Nikam
		Batch C	Ms. Akshata Thakur
4.	Fourth Year B. Pharm.	Mr. Durgesh Bidye	
		Ms. Kavita Sawant	



THE CHEMISTRY OF DECONGESTANTS		
Nasal decongestants are commonly used to provide relief from a blocked nose, this graphic looks at how they work and some commonly used compounds.		
Pseudo Ephedrine  Duration, around 8 hours Regulated in some countries for use as precursor for methamphetamine.	Oxymetazoline  Duration around 7 hours can also be used as a drug to treat nose bleeds and eye redness.	How They Work Decongestants ease nasal congestion by reducing the swelling of blood vessels in the nose. They do this by acting on receptors to constrict the blood vessels in the tissue that lines the nasal cavity. Decongestants are available in the form of both nasal sprays and tablets. Nasal sprays tend to exhibit a quicker onset of action. However, they can also lead to 'rebound congestion' with use of more than a few days worsening congestion when use of the decongestant is stopped.
Phenylephrine  Duration around 4 hours. Alternative to pseudoephedrine, though studies conflict as to its efficacy.	Xylometazoline  Duration, around 5-6 hours Like the other decongestants use isn't advised for those with high blood pressure.	NAME : Darshan Gajanan, Ganekar. STD : F.Y.B.Pharm DIV: B REFERENCE: WWW. Sciencedirect.com

The results of Best Articles certificates for the Academic year 2018-19 are as follows:-

Sr. No.	Class	Month	Name of the student	Topic
1	F. Y. B. Pharm.	January	Swapnali Parab	Republic Day
2		February	Krutika Andhari	Natural scene
3		March	Sanjana Mhaddolkar	Traffic signal
4		April	Samata Korgaonkar	Morning Glory
1	S. Y. B. Pharm.	January	Shraddha Juvekar	Republic Day
2		February	Ravina Sutar	Seven ways to protect your Brain
3		March	Sanjana Girkar	Importance of Holi festival
4		April	Tejas Desai	Thoughts of Dr. Ambedkar
1	T. Y. B. Pharm.	January	Sanyuja Nikam	Makar Sankranti
2		February	Rashmi Sawant	Jai Bhavani
3		March	Mitali Nasare	Mahila Din
1	Fourth Year B. Pharm.	January	Kalsekar Geetanjali R.	Makar Sankranti
2		February	Natekar Siddhi G.	Tribute to Chatrapati Shivaji Maharaj
3		March	Ghate Karishma L.	International Women's Day

The winners of Window Display Committee Best Articles were presented with certificates on Farewell event on 5th April 2019 in the presence of Hon. Achyut Sawant Bhonsale, Executive Chairman, Shri. Yashwantrao Bhonsale Education Society & Hon. Sanjeev Desai, Secretary, Shri. Yashwantrao Bhonsale Education Society.





Certificate distribution of Best Article Award 2015 – 19 winner, **Ms. Chaitali Nirgun** at the hands of Hon. Sanjeev Desai, Secretary, Shri. Yashwantrao Bhonsale Education Society in the presence of Hon. Achyut Sawant Bhonsale, Executive Chairman, Shri. Yashwantrao Bhonsale Education Society.

Glimpses of articles presented on the last working day of Final Year B. Pharm. 2019.

