

Loknete Dr. Balasaheb Vikhe Patil (Padma Bhushan Awardee) Pravara Rural Education Society's

ARTS, COMMERCE & SCIENCE COLLEGE, SATRAL

Tal- Rahuri, Dist- Ahmednagar-413 711

NAAC Accredited B⁺⁺ Grade

DEPARTMENT OF CHEMISTRY

Certificate Course

Name of certificate course – Sanitizers & Disinfectants|

Total Duration – 30 Hrs. (2 credits)

Venue – Arts, Commerce and Science College, Satral

Student Age Group – 21 Yrs

Time – Theory: 2 Hrs / Week

Practical: 1 / Week

Objectives:

- To develop application aspect of chemistry in carriers.
- To motivate self-employment ability.
- To create self-efficiency and enhance practical knowledge.
- To know the difference between cleaning, sanitizing and disinfecting.
- To know new concept and its application.

Course Content

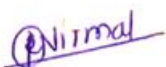
Sr.No	Topics	Learning Points	Lectures
1.	Introduction	Introduction and Evaluation of Sanitizers and Disinfectants	02
2.	Difference between cleaning, sanitizing and disinfecting	Cleaning, sanitizing, disinfecting, What are the recommendations and requirements for sanitizing and disinfecting?, Sanitizing and disinfecting requirements and recommendations comparison chart	04

3.	Choosing Safer products for cleaning, sanitizing and disinfecting.	Third party certifiers: A way to identify safer cleaning products, ingredients to avoid, choosing safer sanitizer, choosing safer disinfectant, Group buying, Safety data sheet.	04
4.	Effectivemand safest way of cleaning, sanitizing and disinfecting	Routine Cleaning, tools for cleaning, carpeting tips, cleaning products and procedures, surface cleaning, floor cleaning, What not to use and why, Carpet cleaning, diluting concentrated product, sanitizing ,tools for sanitizing, product and procedure for sanitizing.	03
5.	Effect of cleaning, sanitizing and disinfecting products on environment	Triclosan in the environment, fragrance in the environment	02
	Total		15
6.	Practical's	Preparation of Sanitizers	04
		Preparation of Disinfectants	04
		Preparation of Liquid soap	04
		Preparation of Liquid detergents	03
	Total		15

References

1. Global Industry Analysts, Inc.2017.Disinfectants-A Global Strategic Business Report. (Summary Only.) Accessed September 20, 2017.

2. National Health and Safety Performance standards ; Guidelines for Early Care And Education Programs. Third Edition , 2015 Accessed September 14, 2017.
3. Bello, A., Quinn, M.M., Perry, M.J., & Milton, D.K (2009). Characterization of Occupational exposures to cleaning products used for common cleaning tasks-a pilot study of hospital cleaners. Environmental Health, 8(1), 11.
4. Flores, G.E, Bates, S.T., Knights, D., Lauber, C.L., Stombaugh, J., Knight, R., & Fierer, N.(2011). Microbial Biogeography of public restroom surfaces. Plos One, 6(11), e28132. Accessed September 19, 2017.
5. Gibson, K.E., Crandall, P.G., & Ricke, S.C.(2012). Removal and transfer of viruses on food contact surfaces by cleaning clothes.Applied and Environmental Microbiology, 78(9), 3037-3044. Accessed October 6, 2017.



Subject Teacher
Mrs. P. A. Tambe



Head of Department



Subject Expert
Dr. B. K. Salalkar



PRINCIPAL

Art's, Commerce & Science College
Satral, Tal.Rahuri, Dist. Ahmednagar.