

MANNAM MEMORIAL NSS COLLEGE, KOTTIYAM
STUDENT ENROLMENT LIST

Name of department : Chemistry

Name of course : Making of Household Cleaning Chemicals (2022-23)

Sl No	Name of Student	Signature
1	ABHIRAMI B	AB
2	ABHIRAMI R	Ab
3	AKASH R JANARDHANAN	AR
4	ANAMIKA.S	AKS
5	ARYA ABHILASH.S	AS
6	ASWATHY. M	AA
7	DARSANA. S	AM
8	DEVIKA L	DS
9	DRISYA. T. S	DL
10	GOPIKA KRISHNAN	SDS
11	GOURI S	GS
12	HAADHIYA S	HS
13	VEENA U G	Veena
14	VISHNUPRIYA B	V
15	ADITHYA S	Ad
16	AKHILMON. S	AM
17	ALI A	Al
18	ANAND. O. V	OV
19	ANANTHAKRISHNAN. A. R	AR
20	ARSHA VIJAYAN	Asha
21	ARYA THILAK	Am
22	GOPIKA GOPAN	GS
23	GOPIKA M	GS
24	GOURI REGHUNADHAN	GR
25	GOVIND S P	GP
26	JOISY JOHNSON	J
27	KARTHIKA. A	Kar
28	KRISHNA SEKHA R J	KSJ
29	MEGHA R B	RA
30	NAVAMI G S	NV
31	PARVATHI. A	Parvath
32	RAMEESA N	Ram
33	RIYANA SHANAVAS	Riyana
34	ROHAN ALEX	R
35	SUDHEESH S	SS
36	THUMPI M	TM
37	VANDANA B	VN

Dr. SYAM KRISHNAN K.
Assistant Professor
Department of Chemistry
MMNSS College Kottiyam

2022-2023

MAKING OF HOUSEHOLD CLEANING CHEMICALS

Syllabus

Module I :- Introduction to household cleaning chemicals. Major chemical Ingredients Preparation of household cleaning chemicals like Toilet cleaner, bathroom floor cleaner, Brass product cleaner & Hand sanitizer (Hands on training required)

Module II :- Applications of synthesised cleaning chemicals. Possible toxicity of cleaning chemicals

Objectives.

- To understand the relevance of household cleaning chemicals
- To understand the chemical Ingredients and method of preparation of household cleaning chemicals.
- To understand the possible hazards of cleaning chemicals.

Learning outcomes.

Students able to learn about the method of preparation of various household cleaning chemicals.



DR. R. PRANASH CHANDRAN
Head, Dept. of Chemistry
Kottiyam - 691571

Date	Time
18/6/2022 (Saturday)	10 AM - 1 PM (3 hrs)
22/6/2022 (Wednesday)	3.30 PM - 4.30 PM (1 hr)
25/6/2022 (Saturday)	9.30 am - 3.30 pm (5 hrs)
02/07/2022 (Saturday)	9.30 am - 3.30 PM (5 hrs)
07/07/2022 (Thursday)	8.30 am - 4.30 PM (1 hr)
16/07/2022 (Saturday)	9.30 a.m - 3.30 PM (5 hrs)
30/07/2022 (Saturday)	9.30 a.m - 3.30 PM (5 hrs)
03/08/2022 (Wednesday)	3.30 PM - 4.30 PM (1 hr)
08/08/2022 (Monday)	3.30 PM - 4.30 PM (1 hr)
20/08/2022 (Saturday)	9.30 a.m - 12.30 PM (3 hr)

Department of Chemistry, MM NSS College, Kottiyam

Add on Course (2022-23)

Making of Household Cleaning Chemicals

Each Question carries 4 marks each ($4 \times 10 = 40$)

Total marks-40

Time:2h

1. Name any four household cleaning chemicals available in the market (with brand names)
2. Explain any four desirable qualities of household cleaning chemicals
3. Compare the main ingredients of a toilet cleaner and floor cleaner
4. Write a short procedure for making toilet cleaner in lab
5. What are the main ingredients of a brass product cleaner?
6. How can you make a brass product cleaner in lab?
7. What are the applications of a hand sanitizer?
8. Discuss about the common ingredients of a hand sanitizer and its preparation
9. Outline the possible hazards associated with household cleaning chemicals
10. Suggest suitable methods for the safe disposal of household cleaning chemicals

Practical Examination

20 Marks

Time: 2h

Demonstrate a small-scale preparation of any one of the following (with ✓ mark)

Hand sanitizer

Bathroom floor cleaner

Toilet cleaner

Brass Product cleaner

MANNAM MEMORIAL NSS COLLEGE, KOTTIYAM
END COURSE EVALUATION

Name of department : Chemistry

Name of course : Making of Household Cleaning Chemicals (2022-23)

Duration of Exam: 3h

Total marks: 60

Sl No	Name of Student	Marks obtained
1	ABHIRAMI B	46
2	ABHIRAMI R	42
3	AKASH R JANARDHANAN	43
4	ANAMIKA.S	42
5	ARYA ABHILASH.S	47
6	ASWATHY. M	43
7	DARSANA. S	45
8	DEVIKA L	46
9	DRISYA. T. S	50
10	GOPIKA KRISHNAN	41
11	GOURI S	47
12	HAADHIYA S	44
13	VEENA U G	42
14	VISHNUPRIYA B	41
15	ADITHYA S	43
16	AKHILMON. S	40
17	ALI A	
18	ANAND. O. V	42
19	ANANTHAKRISHNAN. A. R	42
20	ARSHA VIJAYAN	41
21	ARYA THILAK	49
22	GOPIKA GOPAN	48
23	GOPIKA M	44
24	GOURI REGHUNADHAN	46
25	GOVIND S P	36
26	JOISY JOHNSON	48
27	KARTHIKA. A	43
28	KRISHNA SEKHAR J	41
29	MEGHA R B	44
30	NAVAMI G S	48
31	PARVATHI. A	44
32	RAMEESA N	45
33	RIYANA SHANAVAS	39
34	ROHAN ALEX	43
35	SUDHEESH S	44
36	THUMPI M	50
37	VANDANA B	42

Number of Students enrolled: 37

Number of Students completed: 36

Dr. SYAM KRISHNAN K.

Assistant Professor
Department of Chemistry
MMNSS College Kottiyam

Department of chemistry offered a Certificate Course on "Making of Household cleaning chemicals" for the third year degree students of the department. Duration of the course was of 30 hours. The course was successfully completed without distracting the regular working hours. Students were trained to make household cleaning chemicals like bathroom floor cleaners, toilet cleaners, Brass product cleaners & Hand sanitizers. The products prepared were distributed amongst students. The training programme was intended to enhance the skills and capabilities of students so as to meet and master the chemistry in daily life.

Feed Back

Feed Back forms were distributed to students. Their feedback showed that the course content, method of instruction was very effective.



Sol
Principal
M.M.N.S.S. COLLEGE
KOTTIYAM

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