

To  
The Board of Studies,  
S.D.Mahila Mahavidyalya,  
Narwana.

**Sub: Approval for Certificate course in Organic Skin and Hair-Care Products.**

Respected Madam,

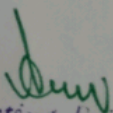
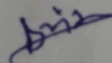
We want to start a certified offline course Organic Skin and Hair-Care Products (30 Hours) in our campus. A Certificate is an education goal for many students who want to improve their visibility among aggressive job applications. Certificates may help to provide students with increased skills and experience. Syllabus of Organic Skin and Hair-Care Products is attached with this application. Please kindly approve this certified course. We shall be thankful to you for this.

Enclosed: Syllabus of the Certificate Course.

Yours Faithfully

Ms.Nisha Gupta  
Asstt. Prof. of Physics

Ms.Yashika Garg  
Asstt. Prof. of Chemistry

  
Officiating Principal  
S.D. Mahila Mahavidyalya  
NARWANA  


**Skill oriented certificate course**  
**Topic- Organic skin and hair- care products**  
**Syllabus**

**Unit 1-Acids and Bases**

- 1.1 arrhenius concept
- 1.2 bronsted lowry concept
- 1.3 lewis concept of acids and bases
- 1.4 heart soft acid base concept

**Unit 2-Soaps and its synthesis**


- 2.1 saponification reaction- preparation of soaps
- 2.2 structure, mechanism and examples
- 2.3 saponification value
- 2.4 hard and soft water

**Unit 3-Cleansing action of soaps**

- 3.1 soaps and detergents
- 3.2 micelle formation

**Unit 4-Mole concept**

- 4.1 compounds and mixtures
- 4.2 concentration and its types

  
Officiating Principal  
S.D. Mahila Mahavidyalaya  
NARIYANA



Skill Oriented Certificate Course Paper Pattern

Topic- Organic Skin and Hair-Care Products

Theory

M.M-20

Time - 1:00 hour

Note:- Paper Setter will set 5 question in all. Question No. 1 Comprising of 4 short types Questions carrying 1 Marks each, is compulsory. It Covers the entire syllabus. Candidate is required to attempt all questions carrying 4 marks each.

"Practicals"

MM-20

Time- 1:00 hour

Note-Do any one experiment from the three products.


\* The Practical examination will be held in a Single Session of 1 hour.

Distribution of Marks:

Experiments- 15 marks

Viva Voice- 05 marks

Total- 20 marks

  
Officiating Principal  
S.D. Mahila Mahavidyalaya  
NARIYANA





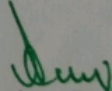
Ph. No. 01684-240161

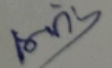
**S D MAHILA MAHAVIDYALYA**  
**NARWANA-126116 ( JIND ) HARYANA**

Dated:- 28/09/2022

**Notice**

बी एस सी प्रथम वर्ष की सभी छात्राओं को सूचित किया जाता है कि 01 ऑक्टूबर 2022 से महाविद्यालय में Organic skin and Hair-Care प्रोडक्ट पर 30 घंटे का सर्टिफिकेट कोर्स करवाया जाएगा और कोर्स के अंत में परीक्षा ली जाएगी और छात्राओं को प्रमाण पत्र दिए जाएंगे।

  
Officiating Principal  
S.D. Mahila Mahavidyalaya  
NARWANA



S.D Mahila Mahavidyalaya, Narwana


Chemistry Department  
organises

30 days

Skill Oriented Certificate  
Course on


# Organic Skin and Hair-Care Products

Date: 1st October, 2022

  
Officiating Principal  
S.D. Mahila Mahavidyalaya  
NARWANNA

**HOD:**

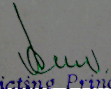
**Mrs. Nisha**

  
**Principal:**

**Dr. Anjana Lohan**

**S.D. Mahila Mahavidyalya, Narwana**  
**Participant Attendance Sheet :- BSc (Non Medical) Sem-1**  
**from 1<sup>st</sup> October 2022 to 11<sup>th</sup> November 2022**  
**Session..... 2022 - 23.....**


Sr.No.	Name	Roll No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total	Signature	
1	ANJALI	1221913015001	P	S	P	P	P	P	P	P	S	P	P	P	P	P	P	S	P	P	P	P	H	H	S	D	H	H	H	P	P	S	15	Anjali	
2	REKHA	1221913015002	P	U	P	P	P	P	P	P	U	P	P	P	P	P	P	U	P	P	P	P	U	P	P	P	P	P	P	P	P	P	U	15	Rekha
3	ANSHIKA	1221913015003	P	N	P	P	P	P	P	P	N	P	P	P	P	P	P	N	P	P	P	P	L	L	N	L	L	L	L	P	P	N	13	Anshika	
4	RAVITA KOUR	1221913015004	P	D	P	P	P	P	P	P	D	P	P	P	P	P	P	D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	15	Ravita	
5	MANSI	1221913015005	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	16	Mansi	
6	Monika Ravish	1221913015006	P	Y	P	P	P	P	P	P	Y	P	P	P	P	P	P	Y	P	P	P	P	P	P	P	P	P	P	P	P	P	P	11	Monika	
7	KAJAL	1221913015007	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	12	Kajal	
8	SIMARJEET KAUR	1221913015008	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	13	Simarjeet	
9	MEENU DEVI	1221913015010	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	16	Meenu	
10	KAJAL	1221913015011	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	13	Kajal	
11	KOMAL	1221913015012	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14	Komal	
12	SHEETAL	1221913015013	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	17	Sheetal	
13	SNEHA	1221913015014	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	11	Sneha	
14	MANPREET	1221913015015	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14	Manpreet	
15	SEJAL RAHEJA	1221913015016	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	12	Sejal	
16	RINKI	1221913015017	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14	Rinki	
17	MONIKA	1221913015018	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	16	Monika	

  
 Officiating Principal  
 S.D. Mahila Mahavidyalyo  
 NARWANA

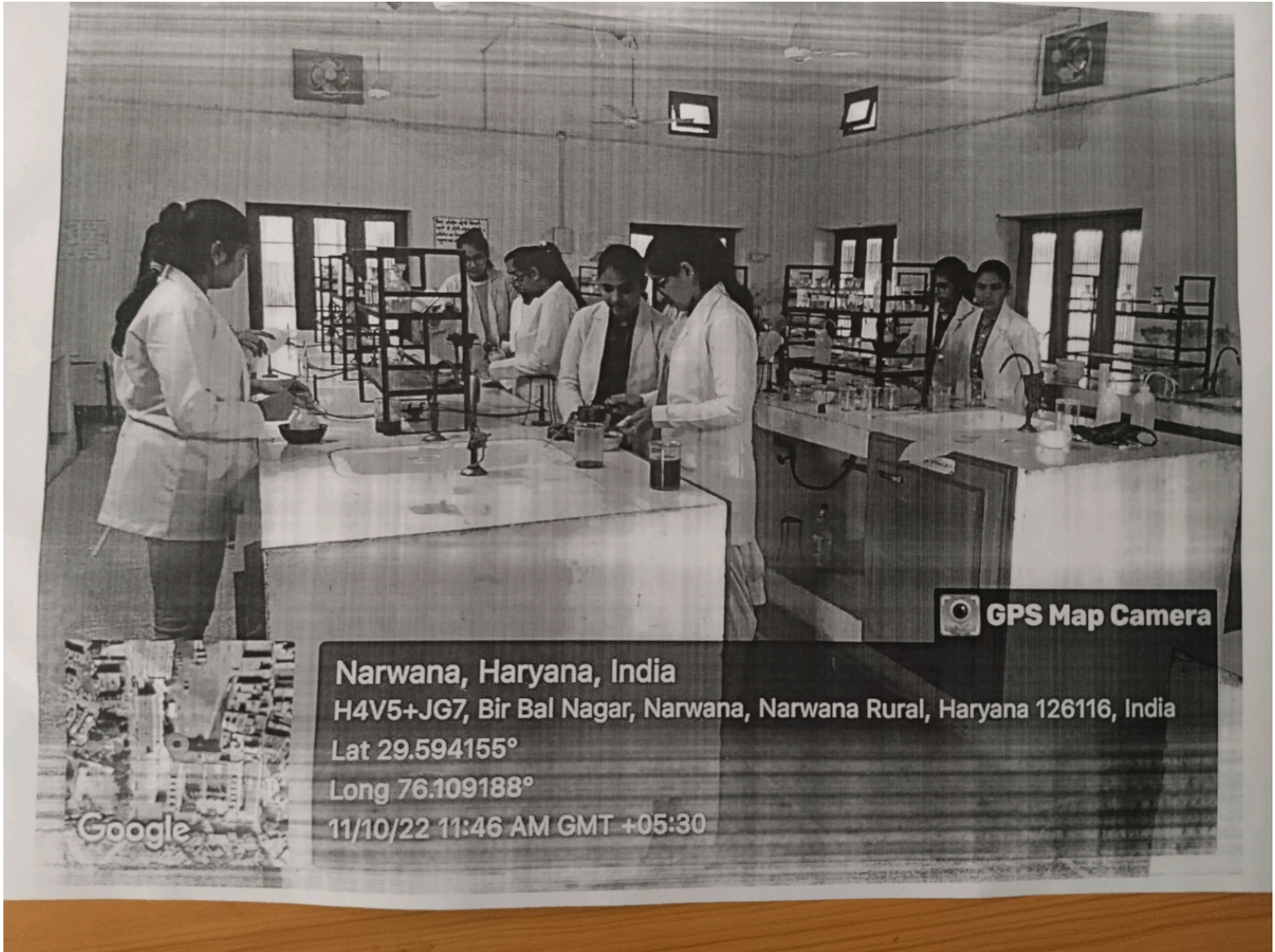


**S.D. Mahila Mahavidyalya, Narwana**  
**Participant Attendance Sheet :- B.Sc. (Non-Medical) Sem-1**  
**from 1<sup>st</sup> October 2022 to 11<sup>th</sup> November 2022**  
**Session..... 2022 - 23 .....**

Sr.No.	Name	Roll No.	31	1	2	3	4	5	6	7	8	9	10	11	Total	Signature
1	ANJALI	1221913015001	P	P	P	P	P	P	S	P	P	P	P	P	9	Anjali
2	REKHA	1221913015002	P	P	P	P	P	P	P	P	P	P	P	P	9	Rekha
3	ANSHIKA	1221913015003	P	P	P	P	P	P	P	P	P	P	P	P	9	Anshika
4	RAVITA KOUR	1221913015004	P	P	P	P	P	P	P	P	P	P	P	P	9	Ravita Kour
5	MANSI	1221913015005	P	P	P	P	P	P	P	P	P	P	P	P	9	Mansi
6	Monika Ravish	1221913015006	P	P	P	P	P	P	P	P	P	P	P	P	9	Monika
7	KAJAL	1221913015007	P	P	P	P	P	P	P	P	P	P	P	P	9	Kajal
8	SIMARJEET KAUR	1221913015008	P	P	P	P	P	P	P	P	P	P	P	P	9	Simarjeet
9	MEENU DEVI	1221913015010	P	P	P	P	P	P	P	P	P	P	P	P	9	Meenu
10	KAJAL	1221913015011	P	P	P	P	P	P	P	P	P	P	P	P	9	Kajal
11	KOMAL	1221913015012	P	P	P	P	P	P	P	P	P	P	P	P	9	Komal
12	SHEETAL	1221913015013	P	P	P	P	P	P	P	P	P	P	P	P	9	Sheetal
13	SNEHA	1221913015014	P	P	P	P	P	P	P	P	P	P	P	P	9	Sneha
14	MANPREET	1221913015015	P	P	P	P	P	P	P	P	P	P	P	P	7	Manpreet
15	SEJAL RAHEJA	1221913015016	P	P	P	P	P	P	P	P	P	P	P	P	9	Sejal
16	RINKI	1221913015017	P	P	P	P	P	P	P	P	P	P	P	P	9	Rinki
17	MONIKA	1221913015018	P	P	P	P	P	P	P	P	P	P	P	P	9	Monika

  
 Officiating Principal  
 S.D. Mahila Mahavidyalyo  
 NARWANA





 **GPS Map Camera**

**Narwana, Haryana, India**

**H4V5+JG7, Bir Bal Nagar, Narwana, Narwana Rural, Haryana 126116, India**

**Lat 29.594155°**

**Long 76.109188°**

**11/10/22 11:46 AM GMT +05:30**





**Skill oriented certificate course**  
**TOPIC- Organic Skin and Hair-Care Products**  
**Question Paper Theory**

MM-20

Time-1 hour

Question 1 has 5 questions carrying 2 marks each. Next 2 questions carry five marks. All questions are compulsory.

1 (a) What is a Lewis base?

(b) What do you mean by hard water?

(c) Give the structure of soaps.

(d) What do you mean by mole fraction?


(e) What do you mean by hydrophobic nature?

2×5= 10

Q2. What is HSAB principle? Give examples.

Q3. What is saponification reaction? Explain with mechanism.

2×5=10

  
Officiating Principal  
S.D. Mahila Mahavidyalaya  
NARIYANA



# S.D. MAHILA MAHAVIDYALYA, NARWANA

Roll No. .... 2 ..... Class B.Sc. 1st year ..... Sec. .... Subject Chemistry .....  
Date 14-11-22 ..... Signature .....

18/20  
Vishika

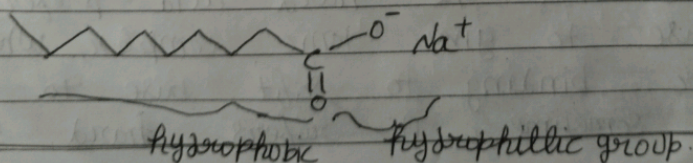
Ans- (a) Lewis base  $\Rightarrow$  The compound which can donate a pair of nonbonding electrons is called Lewis base so the Lewis base are electron pair donor. It complements the model of oxidation reduction reaction.  
For example  $\Rightarrow$  CO, ROH etc.

2

(b) Hard water  $\Rightarrow$  Hard water describes a fresh water supply that contains high amount of natural mineral like calcium and magnesium, is known as hard water. Hard water has 120 to 180 parts per million.  
For example  $\Rightarrow$  Deep underground water in wells.

2

(c) Structure of Soap  $\Rightarrow$  It consist of long hydrocarbon chain having carboxylic acid on one end.



2

**S.D. MAHILA MAHAVIDYALYA, NARWANA**

Roll No. 1 Class B.Sc. 1st year Sec. .... Subject Chemistry

Date 14-11-22

Signature .....

1st try

18/20

Q1.

(a)

Ans. Lewis Base :-

The compound which can donate a pair of non-bonding electrons, is called Lewis base. So, Lewis base are electron pair donor. It complements the model of oxidation-reduction reactions.

Example  $\rightarrow$   $\text{OH}^-$  ions,  $\text{H}_2\text{O}$ ,  $\text{ROH}$  etc.

2

(b)

Ans. Hard water :-

The fresh water supply that contains high amount of natural minerals like calcium and magnesium, is known as hard water. Hard water has 120 to 180 parts per million.

Example  $\rightarrow$  Deep underground water in wells.

2


(c)

Ans. Structure of soap :-

It consist of long hydrocarbon chain

Result of Certificate Course in			
Organic Skin and Hair-care Products			
Session 2022-23		M.M 40	
SrNo.	Student Name	College Roll No.	Marks
1	ANJALI	1221913015001	34
2	REKHA	1221913015002	34
3	ANSHIKA	1221913015003	34
4	RAVITA KAUR	1221913015004	34
5	MANSI	1221913015005	31
6	Monika Ravish	1221913015006	31
7	KAJAL	1221913015007	31
8	SIMARJEET KAUR	1221913015008	31
9	MEENU DEVI	1221913015010	33
10	KAJAL	1221913015011	33
11	KOMAL	1221913015012	31
12	SHEETAL	1221913015013	31
13	SNEHA	1221913015014	31
14	MANPREET	1221913015015	33
15	SEJAL RAHEJA	1221913015016	31
16	RINKI	1221913015017	33
17	MONIKA	1221913015018	33
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			

Present	17
Absent	0
Total	17


  
 Officiating Principal  
 S.D. Mahila Mahavidyalaya  
 NARIYANA



## Report (2022-2023)

### Skill Oriented Course on Organic skin and Hair-Care Products, Chemistry

The Certificate Course on Organic skin and Hair-Care Products offered by the Department of Chemistry, Miss Yashika Garg, S.D.M.M.V Narwana was conducted from 1st October,2022 to 11th November ,2022 with a batch of 17 students and 17 students successfully completed the course. The students gained knowledge about saponification reaction, acids and bases, hard and soft water, compounds and mixtures etc. During this certificate Course students learn how to make different types of soaps, hair cleansers and sanitizers. Dr Anjana Lohan, Dr Nayandeep, Dr Shalu Sachdeva, Nisha, Seema,Ritu,Mahak were present at this event.

  
Officiating Principal  
S.D. Mahila Mahavidyalaya  
NARWANNA



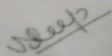
# S.D. MAHILA MAHAVIDYALYA

NARWANA (JIND)

(AFFILIATED TO CH. RANBIR SINGH UNIVERSITY, JIND)

## Certificate of Participation

This is to certify that Miss **RINKI** of **Class B.Sc. I** Participated in **Organic Skin & Hair Care Products Certificate Course (Session 2022-23)** Course for a duration of 30 hours organized in College Campus by Science Department.



Convener



Co-Convener



Principal

:

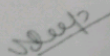
# S.D. MAHILA MAHAVIDYALYA

NARWANA (JIND)

(AFFILIATED TO CH. RANBIR SINGH UNIVERSITY, JIND)

## Certificate of Participation

This is to certify that Miss **KAJAL** of **Class B.Sc. I** Participated in **Organic Skin & Hair Care Products Certificate Course (Session 2022-23)** Course for a duration of 30 hours organized in College Campus by Science Department.



Convener



Co-Convener

:



Principal

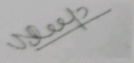
# S.D. MAHILA MAHAVIDYALYA

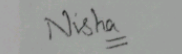
NARWANA (JIND)

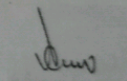
(AFFILIATED TO CH. RANBIR SINGH UNIVERSITY, JIND)

## Certificate of Participation

This is to certify that Miss **SHEETAL** of **Class B.Sc. I** Participated in **Organic Skin & Hair Care Products Certificate Course (Session 2022-23)** Course for a duration of 30 hours organized in College Campus by Science Department.

  
Convener

  
Co-Convener

  
Principal



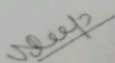
# S.D. MAHILA MAHAVIDYALYA

NARWANA (JIND)

(AFFILIATED TO CH. RANBIR SINGH UNIVERSITY, JIND)

## Certificate of Participation

This is to certify that Miss **MANSI** of **Class B.Sc. I** Participated in **Organic Skin & Hair Care Products Certificate Course (Session 2022-23)** Course for a duration of 30 hours organized in College Campus by Science Department.



Convener



Co-Convener



Principal