



S.D MAHILA MAHAVIDYALAYA NARWANA



Home Science Department

Proudly Offers

**Add On Certificate Course
In**

Tie & Dye Printing Technology

STARTING FROM 1 March 2023

**Dr. Reena
CONVENOR**

**DR. ANJANA LOHAN
Principal**

Detailed syllabus for Tie & Dye and Printing Technology

Duration: 30 hour

Marks: 40

Selection of fabric, Cotton, Silk, wool, poplin, technique of tie & dye,

Classification of dye-stuff and its properties (A) Natural - (a) Vegetable (b) Animal (c) Mineral

(B) Synthetic dyes - Acid dyes, direct dyes, reactive dyes, Vat dyes, Sulphur dyes, azoic dyes

Introduction to Printing - difference between dyeing and printing

Historical development of printing methods- block , stencil, screen, roller and rotary screens used at cottage and industrial level.

Definition of printing Pretreatments required ingredients for printing (Thickening agent, Mordents, oxidizing and reducing agent etc.)

.....
Ms. Reena
Asst. Prof. of Home Sc.

Subject: Approval for "Tie & Die printing technology" by the Board of Studies

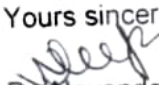
Dear Reena,


I am pleased to inform you that after careful consideration and review by the Board of Studies, has approved "Tie & Die printing technology" which spans over 30+ hours of instruction.

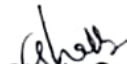
This course has been evaluated thoroughly to ensure its alignment with our institution's academic standards and objectives. We believe that it will significantly contribute to the academic enrichment of our students and align with our commitment to providing high-quality education.

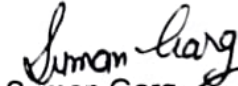
Thank you for your interest and support in our academic endeavors.


Yours sincerely,

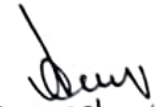


Dr. Nayandeep
Assoc. Prof. in Eco.
Convener


Dr. Anita Chabra
Asst. Prof. in Hindi
Member


Dr. Shalu Sachdeva
Asst. Prof. in Hist.
Member


Suman Garg
Asst. Prof. in Eng.
Member


Nisha
Asst. Prof. in Physics
Member


Principal
S.D. Mahila Mahavidyalaya
Narwana


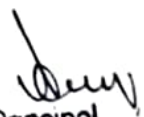
To
The Board of Studies,
S.D.Mahila Mahavidyalya,
Narwana.

Sub: Approval for Tie & dye and printing technology certificate course.

Respected Madam,

We want to start a certified offline course "**Tie & dye and printing technology**" (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 Tie & dye and printing technology 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 Reena Asst. Professor in Home Science Department


Principal
S.D. Mahila Mahavidyalya
Narwana
bik

Ph. No. 01684-240161




S D MAHILA MAHAVIDYALYA
NARWANA-126116 (JIND) HARYANA

Dated:-.....

Notice

सभी छात्राओं को सूचित किया जाता है कि 01.03.2023 से महाविद्यालय में Tie & Dye printing technology पर 30 घंटे का सर्टिफिकेट कोर्स करवाया जाएगा और कोर्स के अंत में परीक्षा ली जाएगी और छात्राओं को प्रमाण पत्र दिए जाएंगे।


Principal
S.D. Mahila Mahavidyalaya
Narwana



Question 1. What is difference between printing and tie & dye? 5

प्रश्न 1. प्रिंटिंग और टाई एंड डाई में क्या अंतर है? 5

Question 2. Write down the main objectives of dyeing 5

प्रश्न 2. रंगाई के मुख्य उद्देश्य लिखिए ।

Question 3. Write down about advantages of screen printing 5

प्रश्न 3. स्क्रीन प्रिंटिंग के फायदों के बारे में लिखिए ।

Question 4. List the motifs used in Phulkari and write down the style of embroidery 5

प्रश्न 4. फुलकारी में प्रयुक्त रूपांकनों की सूची बनाएं और कढ़ाई की शैली लिखें । 5

Question 5. Write short note on Elementary processing before Dyeing and Printing? 5

प्रश्न 5. रंगाई और छपाई से पहले प्राथमिक प्रसंस्करण पर संक्षिप्त टिप्पणी लिखें? 5

Question 6. Write down about special features of any two printing 5

प्रश्न 6. किन्हीं दो मुद्रण की विशेष विशेषताओं के बारे में लिखिए । 5

Question 7. Explain Bandhani from Rajasthan. 5

प्रश्न 7. बांधनी को राजस्थानी से समझाइये ।

Question 8. Write short note on

- i. Batik dye 2
- ii. Block dye 2
- iii. Tie and dye technique 3

प्रश्न 8. पर संक्षिप्त टिप्पणी लिखें ।

1. बाटिक डाई 2
2. ब्लॉक डाई 2
3. टाई और डाई तकनीक 3

Mode of Instruction:

The course will be delivered through lectures and practical and group discussions.

Course Outcome:

Upon completion of the course, participants will be equipped with the creative skills and can start self employment thereby enhancing their professional prospects in various fields. Today dyeing and printing are as important part of modern technology in textile finishing. The interest in use to textiles as a platform of designs for decoration or identifications has existed for many centuries. However, as good as textile printing continuing to improve the quality and innovation in new techniques for the forthcoming generation people in future.

We request the Board of Studies to consider and approve this proposal. Your support in this matter is crucial, and we are willing to provide any further information or clarification if required.

Thank you for your time and consideration. We look forward to a positive response and the opportunity to contribute to the enrichment of our student's academic journey.

Sincerely,
Reena

Questions paper
Certificate course on Tie & Dye and Printing Technology

Time: 2:30 hour

समय: 2:30 घंटा

Marks: 40

अंक: 40

Instruction

- Before beginning to answer a question, its **serial number** must be written.
कृपया प्रश्न का उत्तर लिखना शुरू करने से पहले, प्रश्न का क्रमांक अवश्य लिखें ।
- Don't leave **blank pages** in your answer-book.
उत्तर- पुस्तिका के बीच में खाली पन्ना / पन्ने न छोड़ें ।
- Except answer –book, **no extra sheet** will be given. Write to the point and do not strike the written answer.
उत्तर- पुस्तिका के अतिरिक्त कोई अन्य शीट नहीं मिलेगी । अतः आवश्यकतानुसार ही लिखें और लिखा उत्तर न कटे ।
- Before answering the question, ensure that you have been supplied the correct and complete question paper, **no claim in this regard, will be entertained after examination.**
कृपया प्रश्नों का उत्तर देने से पूर्व यह सुनिश्चित कर लें कि प्रश्न - पत्र पूर्ण व सही है, परीक्षा के उपरांत इस सम्बन्ध में कोई भी दावा स्वीकार नहीं किया जायेगा ।

Note: (I) All questions are compulsory

सभी प्रश्न अनिवार्य हैं ।

(ii) Marks are indicated against each question.

प्रत्येक प्रश्न के अंक उसके सामने दिए गए हैं ।

Title: Tie & Dye and Printing Technology**Duration: 30+ hours****Overview:**

This certificate course, designed by home science Departments, aims to promote creativeness and improve the creative skills of participants. Objective: Production of attractive designs with well defined boundaries made by the artistic arrangement of a motif or motifs in one or more colors. Printing is the process of, providing a decorative look. This course will blend theoretical knowledge with practical application to ensure participants develop skills.

Course Structure:

1. Selection of fabric, Cotton, Silk, wool, poplin, technique of tie & dye.
2. Classification of dye-stuff and its properties (A) Natural - (a) Vegetable (b) Animal (c) Mineral (B) Synthetic dyes - Acid dyes, direct dyes, reactive dyes, Vat dyes, Sulphur dyes, azoic dyes
3. Introduction to Printing - difference between dyeing and printing
4. Historical development of printing methods- block , stencil, screen, roller and rotary screens used at cottage and industrial level.
5. Definition of printing Pretreatments required ingredients for printing (Thickening agent, Mordents, oxidizing and reducing agent etc.)
6. Assessment and Feedback

Certification:

Participants who successfully complete all modules and assignments will be awarded a certificate by the home science Departments.

Target Students:

BA First year and all streams.

Requirements:

Dye colour, thread, flame, stick, fabric colour, different size brush.

Faculty:

Experienced faculty members from the departments will deliver lectures and mentor participants throughout the course.

Certificate Course in Dye and Printing Technology

S.D. MAHILA

Class BA Ist Month March to 21 Year 2023

| Roll No. | Name | Month: March to 21 Year: 2023 | | | | | | | | | | | | | | | | | Lecturer E | | | | | |
|----------|-----------|-------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|------------|----|----|--|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | |
| 030 | Muskan | P | P | P | P | P | | | | P | P | P | | A | P | A | P | P | P | P | | | P | P |
| 171 | Suramukhi | A | P | P | P | | P | | | | P | P | P | | P | A | P | P | P | P | | | P | P |
| 114 | Muskan | P | P | P | P | | P | | | | A | P | A | | A | P | P | P | P | | | | P | P |
| 163 | Bhawana | P | P | P | P | | P | | | | P | A | P | | P | P | A | A | P | | | | P | P |
| 020 | Khushbu | P | P | P | P | S | A | H | | | P | P | A | S | P | P | P | P | P | A | | | P | P |
| 071 | Muskan | P | P | P | P | | P | L | O | | | P | P | P | 4 | P | P | P | P | P | | | A | P |
| 040 | Preeti | P | P | P | P | 4 | P | E | L | | | P | P | P | 7 | P | P | P | P | P | | | P | P |
| 073 | Jyoti | P | P | P | P | | P | A | I | | | A | P | P | 4 | P | A | P | P | A | | | P | P |
| 085 | Rashi | P | P | P | P | 7 | P | V | | | | P | P | P | 9 | A | P | P | P | P | | | P | P |
| 122 | Neha | P | P | P | P | | P | E | | | | P | P | P | 7 | P | P | P | P | P | | | A | P |
| 138 | Neeru | P | P | P | P | d | P | | | | | P | P | P | | P | P | P | P | P | | | P | P |
| 142 | Anka | A | P | P | P | | P | | | | | P | P | P | | A | A | P | A | P | | | P | P |
| 143 | Manika | P | P | P | P | 9 | P | | | | | A | P | A | | P | P | A | P | P | | | A | P |
| 144 | Kajal | P | P | P | P | | P | | | | | P | P | P | | P | P | P | P | P | | | A | P |
| 185 | Khushi | P | P | P | P | 7 | P | | | | | P | P | P | | P | A | P | P | P | | | P | P |
| 207 | Nishu | P | P | P | P | | P | | | | | P | P | P | | P | A | P | P | P | | | P | P |
| 234 | Biya | P | P | P | P | | P | | | | | P | P | A | | P | P | P | P | P | | | P | P |
| 235 | Sakshie | P | P | P | P | | P | | | | | P | P | A | | P | P | P | P | P | | | P | P |
| 254 | Neha | P | P | P | P | | P | | | | | P | P | A | | P | P | P | P | P | | | P | P |
| 256 | Pooja | P | P | P | P | | P | | | | | P | P | P | | P | A | P | P | P | | | P | P |
| 277 | Anjali | P | P | P | P | | P | | | | | P | P | P | | P | P | P | P | A | | | P | P |
| 108 | Bora | P | P | P | P | | P | | | | | A | P | A | | P | A | P | P | A | | | P | P |
| 252 | Ruman | P | P | P | P | | P | | | | | P | P | P | | P | P | P | A | P | | | P | P |
| 273 | Komal | P | P | P | P | | P | | | | | A | P | P | | P | P | P | A | P | | | P | P |
| 179 | Anjali | P | P | P | P | | P | | | | | P | P | A | | P | A | P | P | A | | | P | P |
| 251 | Sukhpreet | P | P | P | P | | P | | | | | P | P | A | | P | P | A | P | A | | | A | P |
| 151 | Heena | P | P | P | P | | P | | | | | P | P | A | | P | P | A | P | P | | | P | P |
| 104 | Sushila | P | P | P | P | | P | | | | | P | P | A | | P | P | A | P | P | | | P | P |

tech-nology

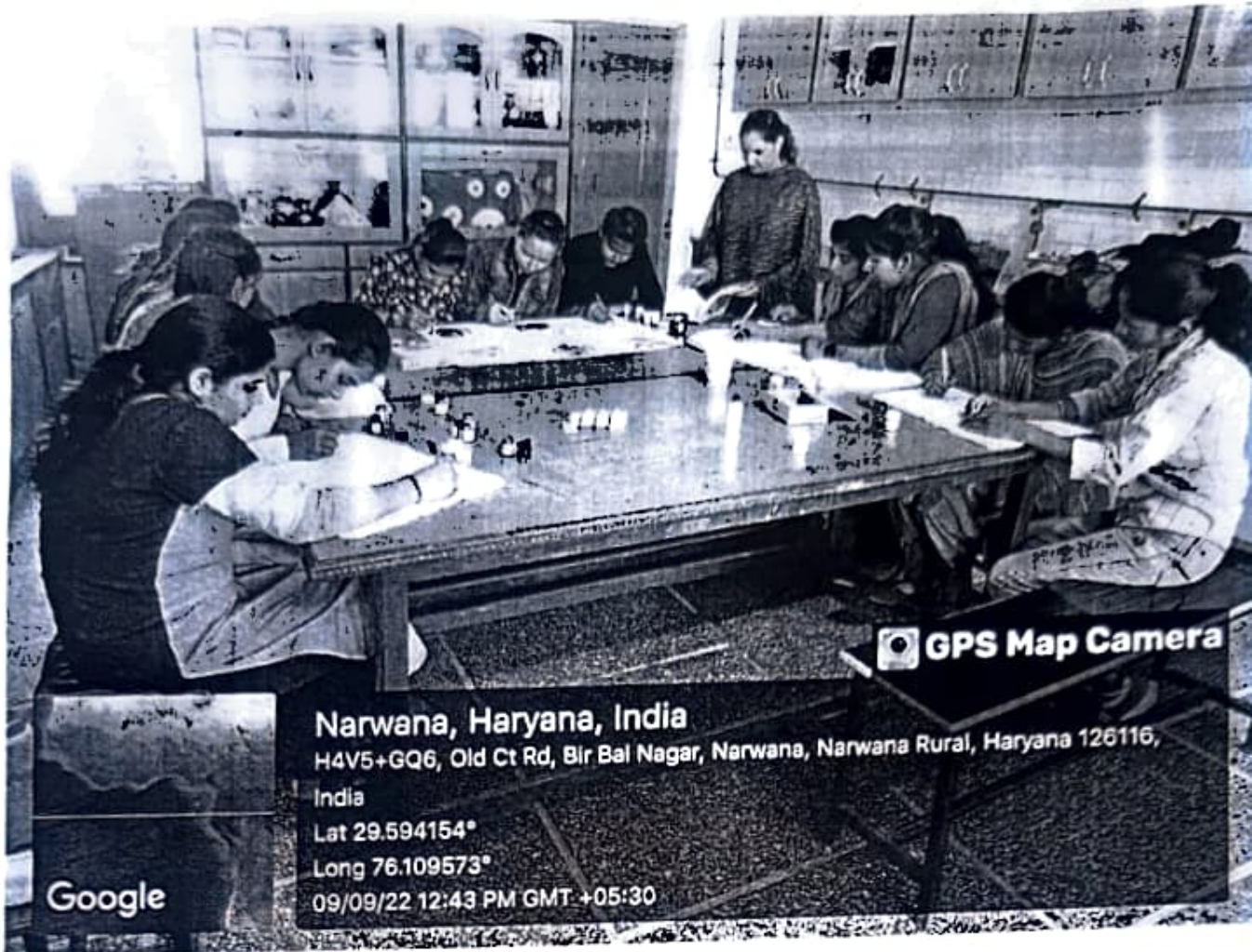
1 March to 31 March


MAHAVIDYALYA NARWANA 2023

23

Lecturer Delivered..... Previous Lecturer Delivered..... Total.....

| 5 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Lecturer Attended | Previous Lecturer Attended | Total Attended | Remarks |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------------|----------------------------|----------------|------------|
| P | P | P | | P | P | | | | | | | | | | | | 14 | | 15 | Muskan |
| P | P | P | | A | P | | | | | | | | | | | | 13 | | 15 | Surajankhi |
| P | P | P | | P | P | | | | | | | | | | | | 13 | | 15 | Wahay |
| A | P | P | | P | P | | | | | | | | | | | | 14 | | 15 | Idhewana |
| P | P | A | | P | S | P | P | | | | | | | | | | 15 | | 15 | Kushal |
| P | P | P | | P | 4 | A | P | | | | | | | | | | 15 | | 15 | Muskan |
| P | P | P | | A | 1 | A | P | | | | | | | | | | 14 | | 15 | Preeti |
| P | P | A | | P | d | P | A | | | | | | | | | | 12 | | 15 | Jyoti |
| P | P | P | | P | 9 | P | P | | | | | | | | | | 15 | | 15 | Radhi |
| P | P | P | | P | Y | P | P | | | | | | | | | | 16 | | 15 | Asha |
| P | P | P | | A | | P | P | | | | | | | | | | 15 | | 15 | Neeru |
| P | A | P | | P | | A | P | | | | | | | | | | 11 | | 15 | Anika |
| A | P | P | | P | | A | P | | | | | | | | | | 12 | | 15 | Monika |
| P | P | P | | A | | P | P | | | | | | | | | | 15 | | 15 | Kajal |
| P | P | P | | A | | P | P | | | | | | | | | | 14 | | 15 | Kishki |
| P | P | P | | P | | A | P | | | | | | | | | | 14 | | 15 | Nikku |
| P | P | P | | P | | P | P | | | | | | | | | | 15 | | 15 | Priya |
| P | P | P | | P | | P | P | | | | | | | | | | 15 | | 15 | Saharaj |
| P | P | P | | P | | P | P | | | | | | | | | | 14 | | 15 | Neha |
| P | P | P | | P | | P | P | | | | | | | | | | 14 | | 15 | Pooja |
| P | P | P | | P | | P | P | | | | | | | | | | 15 | | 15 | Anjali |
| P | P | A | | P | | A | P | | | | | | | | | | 14 | | 15 | Rohan |
| P | P | A | | P | | D | A | | | | | | | | | | 11 | | 15 | Rimes |
| P | A | P | | A | | A | P | | | | | | | | | | 11 | | 15 | Shubh |
| P | A | P | | P | | P | P | | | | | | | | | | 14 | | 15 | Arushi |
| P | P | A | | P | | P | A | | | | | | | | | | 11 | | 15 | Subhant |
| A | P | A | | A | | A | P | | | | | | | | | | 11 | | 15 | Shiv |
| A | P | P | | P | | P | A | | | | | | | | | | 12 | | 15 | Sushila |



 **GPS Map Camera**

Narwana, Haryana, India

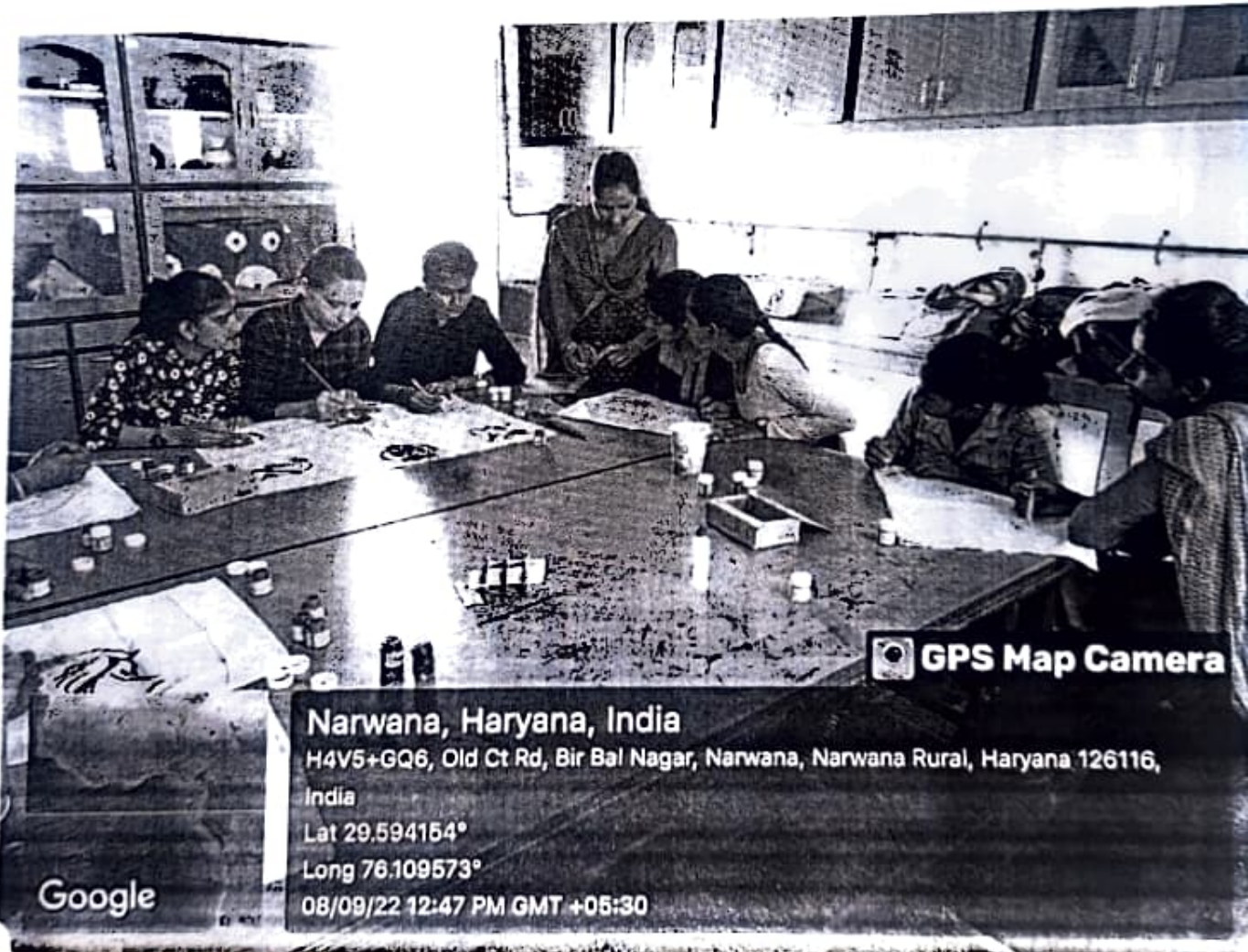
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India


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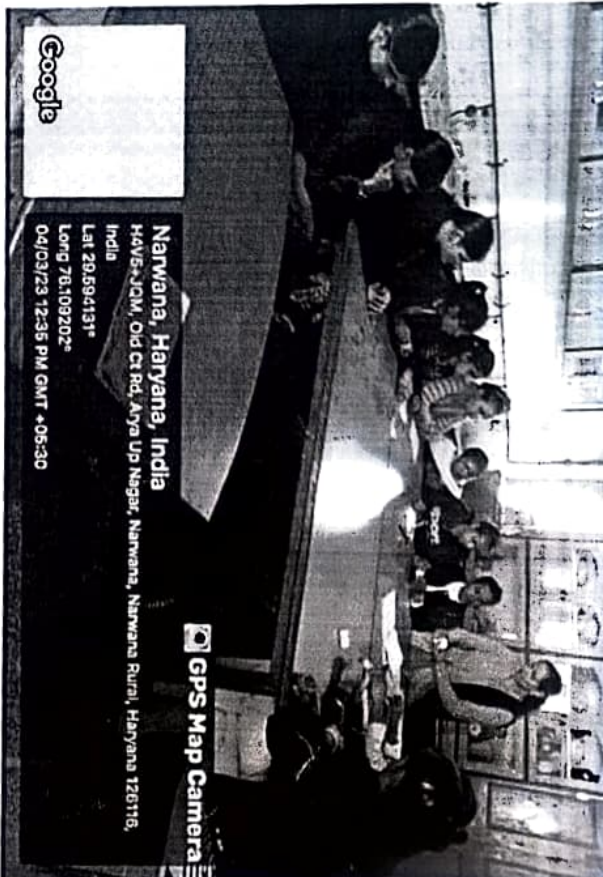
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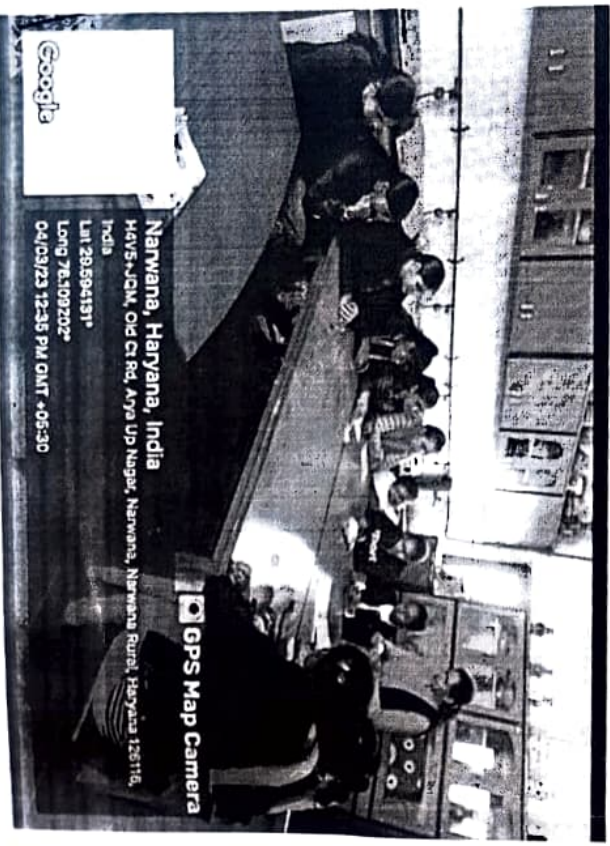
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India
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S.D. MAHILA MAHAVIDYALYA, NARWANA

37

40

Roll No. 1211913002046 Class 2nd Year Sec. Subject Home Science

Date 24/03/2023

Signature Kajal

Tie and Dye and Printing Technology

Dyeing (Tie and dye)

The process of imparting colour to the fabric is called dyeing.

It is performed on fabric, yarn or fibre in wet condition.

Half bleaching is enough for fabric preparation.

Dyeing can be done on fibre, yarn and fibre.

Colour is applied in the form of solution.

Printing

Pigments or dyes applied locally or discontinuously to produce different designs on the fabric is known as printing.

It is performed on fabric in dry condition.

Full-bleaching with optical whitener is essential.

Printing is done on fabrics only.

Colour is applied in form of thick paste.

S.D. MAHILA MAHAVIDYALYA, NARWANA

Roll No. 235 Class BA Ist Sec. Subject Home Science

Date 24 March 2023

Signature Sakshiee

30

certificate course on Tie & dye and printing technology

Q → 1. Difference between Dying and Printing :-

Dying

1. It means full dying of fabric
2. Fabrics, yarns and fibres are generally dyed.
3. Dyed both sides of the fabric
4. Generally 3-4 dyes are used to make a specific shade

Printing

1. It means partial dyeing of the fabric
2. Only fabric is printed.
3. one side is printed
4. One or more colour is used
5. Thickener is necessary

S.D. MAHILA MAHAVIDYALYA, NARWANA

Roll No. 207 Class BA - I Sec. Subject Home Science

Date 24/03/2023

Signature Nishu

Tie And Dye and Printing technology

36

Ques 1

Ans 1

Dyeing (Tie & Dye) ⇒

The process of imparting colour to the fabric is called dyeing. It is performed on fabric, yarn or fabric in wet condition. Half bleaching is enough for fabric preparation. Dyeing can be done on (fabric) fibre, yarn and fibre. Colour is applied in the form of solution. For dyeing there is no design. Only one colour is generally used for dyeing.

Printing ⇒

Pigments or dyes applied locally or discontinuously to produce different designs on the fabric is known as printing. It is performed on fabric in dry condition. Full-bleaching with optical whitener is essential. Printing is done on fabric only. Colour is applied in form of thick paste. For printing is a specific design. One or more colours are used in printing.

S.D. MAHILA MAHAVIDYALYA, NARWANA

Roll No. 195 Class B.A., 2nd year Sec. Subject Textile and Printing Technology

Date 24/03/2023

Signature Neha 33
40

(Dye and Printing Technology.)

Q:1 what is difference between printing and tie & dye.

Ans-

Textile printing is related to dyeing but whereas in dyeing proper the whole fabric is uniformly covered with one colour, in printing one or more colours are applied to it in certain parts only, and in sharply defined patterns.

Printing is - Cotton, silk, wool, and linen, are generally good choice for digital printing. They have a smooth and even surface that allow the ink to penetrate well and produce sharp and vibrant colours.



S.D. MAHILA MAHAVIDYALYA
NARWANA (JIND)



(Affiliated to Ch. Ranbir Singh University, Jind)

Certificate of Participation

This is to certify that Miss/Mrs **Kajal** of **Class BA First Year** Participated in **Tie & dye and Printing Technology (Session 2022-23)** Course for a duration of 30 hours organized in College Campus by Commerce and Economics dept., Computer dept. and Placement Cell.

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/Mrs **Sakshee** of **Class BA First Year** Participated in **Tie & dye and Printing Technology (Session 2022-23)** Course for a duration of 30 hours organized in College Campus by Commerce and Economics dept., Computer dept. and Placement Cell.

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/Mrs **Neha** of **Class BA First Year** Participated in **Tie & dye and Printing Technology (Session 2022-23)** Course for a duration of 30 hours organized in College Campus by Commerce and Economics dept., Computer dept. and Placement Cell.

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Certificate of Participation

This is to certify that Miss/Mrs **Nishu** of **Class BA First Year** Participated in **Tie & dye and Printing Technology (Session 2022-23)** Course for a duration of 30 hours organized in College Campus by Commerce and Economics dept., Computer dept. and Placement Cell.

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