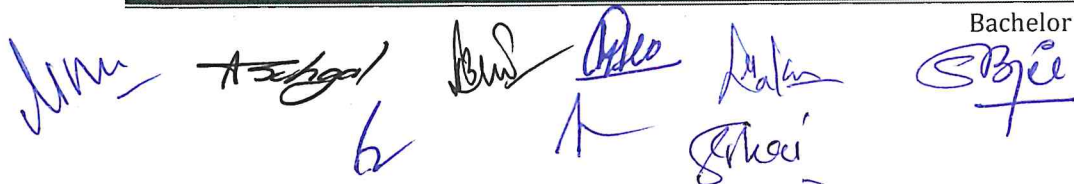


**FOUR YEAR UNDERGRADUATE PROGRAM (2024-28)**  
**FACULTY OF Home Science**  
**Course Curriculum**

<b>Part A: Introduction</b>			
Program: <b>Bachelor in Arts (Honors)</b>		Semester: VIII	Session: <b>2024-2025</b>
1	Course Code	<b>HSSE-10T</b>	
2	Course Title	<b>Dyeing and Printing</b>	
3	Course Type	<b>DSE</b>	
4	Pre-requisite(if any)	<i>As per Program</i>	
5	Course Learning Outcomes (CLO)	<ul style="list-style-type: none"> <li>• Develop an understanding of concepts and basics of textiles.</li> <li>• Understands printing methods</li> <li>• Develop critical understanding of the techniques of dyeing</li> <li>• Identify the dyes for its appropriate use.</li> <li>• Analyze and asses dyed and printed textiles.</li> <li>• Recommend the dyes, printing and finishing of textiles for specific use.</li> </ul>	
6	Credit Value	<b>3 C</b>	<b>1 Credit=15Hours-learning&amp;Observation</b>
7	Total Marks	<b>Max. Marks: 100</b>	<b>Min Passing Marks : 40</b>

<b>Part B: Content of the Course</b>		
No.of Teaching-learning Periods (1 hour per period : 45 Period (45 hours)		
<b>Unit</b>	<b>Topics (Course Contents)</b>	<b>No. of Periods</b>
1	Dyeing with: natural dyes. Use of pigments. Dyeing machines for fibers, and fabrics. Industrial dyeing practices. Dyeing auxiliaries and their uses. Dyeing of blends.	12
2	Dyeing with: natural dyes. Use of pigments. Dyeing machines for fibers, yarns and fabrics. Industrial dyeing practices. Dyeing auxiliaries and their uses. Dyeing of blends.	11
3	Introduction to printing – difference between dyeing and printing. Methods of printing Historical development of printing –block stencil, screen roller and rotary. 8. Screens used at cottage and industrial level	11
4	Printing pastes Thickening agents and auxiliaries for printing and their suitability to various classes of dyes and fibres. Preparation of printing pastes for different dyes and different fibres. Styles of printing Direct style, resist or reserve style, discharge style and raise style. Style and methods of printing traditionally used in India.	11
<b>Keywords:</b> fabric construction , dyes, printing, finishing.		

<b>Part C: Learning Resources</b>	
Text Books. Reference Books, Other Resources	
<b>Text Book</b>	
<ul style="list-style-type: none"> <li>• डॉ मंजु पाटनी, (2022)वस्त्र विज्ञान एवं परिधान का परिचय - Edition, Star Publication.</li> </ul>	



- Textile Science: an explanation of fiber properties - Gohl, E., Vile sky, L., 2 edition, New Age International Publishing.
- डॉबक्शी, वस्त्र विज्ञान एवं परिधान का परिचय - 2<sup>nd</sup> Edition, Vinod PustakMandir.
- डॉ शिप्रा बैनर्जी,(2018), तंतु एवं वस्त्र विज्ञान - छ. ग. हिन्दी ग्रंथ अकादमी
- Fundamentals of Textiles and their care - SushilaDhantiyagi, 5<sup>th</sup> Edition, Orient Black Swan.
- Textile testing and analysis - Collier, B.J., & Epps, H.H. 1998 Edition, Prentice Hall Publishers
- Booth, J.E. (1996). *Principles of Textile Testing*. New Delhi: CBS Publishers & Distributors Pvt. Ltd.
- Corbman, P.B. (1983). *Textiles: Fibre to Fabric*. McGraw-Hill Publishers.
- Collier, B.J., & Epps, H.H. (1998). *Textile testing and analysis*. Prentice Hall Publishers.

**Other Resources**

- Chemical Finishes: <https://youtu.be/B6xaduge1w8>
- Study Of Dyes: <https://youtu.be/6ortgd1mua4>

**Part D: Assessment and Evaluation**

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment (CIA): 30 Marks

End Semester Exam (ESE): 70 Marks

Continuous Internal Assessment(CIA): (By Course Teacher)	Internal Test / Quiz- (2): <b>20 +20</b> Assignment / Seminar - <b>10</b> Total Marks - <b>30</b>	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against <b>30</b> Marks
End Semester Exam (ESE):	<b>Two section – A &amp; B</b> Section A: Q1 Objective-10x1=10 Mark; Q2.Short answer type-5x4=20 Marks Section B: Descriptive answer type qts.1 out of 2 from each unit- 4x10=40 Marks	

Name and Signature of Convener & Members of CBoS:

*A Singhal*  
(Dr. Amrita Singhal)

*[Signature]* *[Signature]* *[Signature]*

*[Signature]* *[Signature]*

*[Signature]*

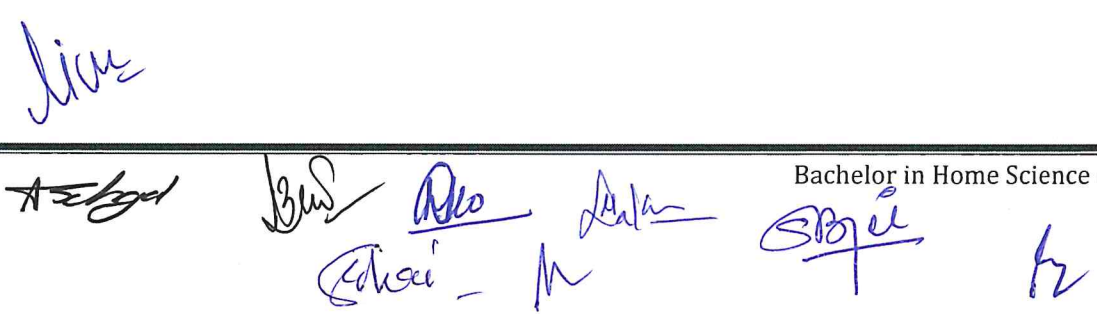
*[Signature]*  
Dr. SoBanceyee



**FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)**  
**Faculty of Home Science**  
**Course Curriculum**

PART- A: Introduction		
Program: Bachelor in Home Science (Honors)		Semester -VIII
		Session: 2024-2025
1	Course Code	HSSE-10P
2	Course Title	Dyeing and Printing (Practical)
3	Course Type	DSE
4	Pre-requisite (if, any)	<i>As per Program</i>
5	Course Learning Outcomes (CLO)	<ul style="list-style-type: none"> <li>Develop an understanding of concepts and basics of textiles.</li> <li>Understands and define the key textile terms.</li> <li>Develop critical understanding of the techniques of yarn and fabric manufacture.</li> <li>Identify the fibres, yarn and fabrics for its appropriate use.</li> <li>Analyze and asses dyed and printed textiles.</li> <li>Recommend the dyes, printing and finishing of textiles for specific use.</li> </ul>
6	Credit Value	1 Credits
		<i>1 Credit =30 Hours Laboratory or Field learning/Training</i>
7	Total Marks	Max. Marks: 50
		Min Passing Marks: 20
<b>PART -B: Content of the Course</b>		
<b>Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)</b>		
Module	Topics (Course contents)	No. of Period
<b>Lab./Field Training/ Experiment Contents of Course</b>	<ul style="list-style-type: none"> <li>Dyeing of cotton with natural dyes.</li> <li>Tie and dye-- Different knots.</li> <li>Different printing Techniques</li> <li>Making of 4 garments with Tie and dye and Printing</li> </ul>	<b>30</b>
<b>Keywords</b>	fabric construction , dyes, printing, finishing.	

<b>PART-C: Learning Resources</b>
<b>Text Books, Reference Books and Others</b>
<i>Text Books Recommended –</i> <ul style="list-style-type: none"> <li>वस्त्रविज्ञान एवंपरिधानकापरिचय - डॉमंजुपाटनी, 2022 Edition, Star Publication.</li> <li>Textile Science: an explanation of fiber properties - Gohl, E., Vile sky, L., 2 edition, New Age International Publishing.</li> <li>वस्त्रविज्ञान एवंपरिधानकापरिचय - डॉबक्शी, 2<sup>nd</sup> Edition, Vinod PustakMandir.</li> <li>तंतुएवंवस्त्रविज्ञान - डॉशिप्राबैनर्जी</li> <li>Fundamentals of Textiles and their care - SushsilaDhantyagi, 5<sup>th</sup> Edition, Orient Black Swan.</li> <li>Textile testing and analysis - Collier, B.J., &amp; Epps, H.H. 1998 Edition, Prentice Hall Publishers</li> </ul>



<b>PART -D:Assessment andEvaluation</b>		
<b>Suggested Continuous Evaluation Methods:</b>		
<b>Maximum Marks: 50 Marks</b>		
<b>Continuous Internal Assessment(CIA): 15 Marks</b>		
<b>End Semester Exam (ESE): 35 Marks</b>		
<b>Continuous InternalAssessment(CIA): (By Course Teacher)</b>	Internal Test / Quiz-(2): <b>10 &amp; 10</b> Assignment/Seminar +Attendance - <b>05</b> Total Marks - <b>15</b>	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against <b>15 Marks</b>
<b>End Semester Exam (ESE):</b>	Laboratory / Field Skill Performance: On spot Assessment A. Performed the Task based on lab. work - 20 Marks B. Spotting based on tools & technology (written) – 10 Marks C. Viva-voce (based on principle/technology) - 05 Marks	<b>Managed by Course teacher as per lab. status</b>

Name and Signature of Convener & Members of CBoS:

*A. Singh*  
(CoS. Amrita School)

*Dr. Bharti Sethi*

*Mr. Manoj R D-10*

*Smt. N. M. 10/1*

*Shree*

*Dr. So Banerjee*