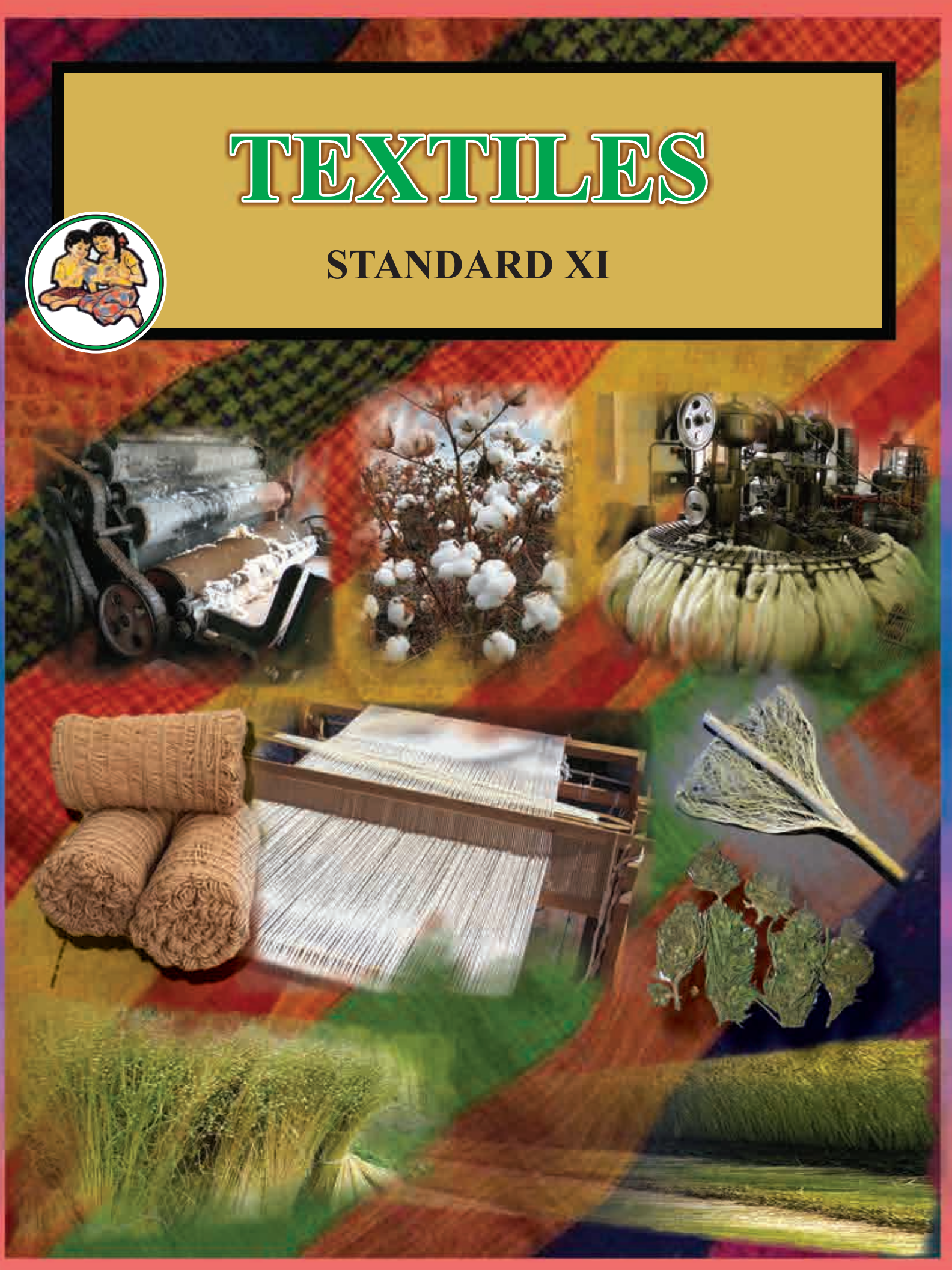


# TEXTILES

STANDARD XI



The coordination committee formed by G.R.No.Abhyas-2116/(pra.kra43/16)SD-4 dated 25.4.2016 has given approval to prescribe this textbook in its meeting held on 20.06.2019 and it has been decided to implement it from academic year 2019-2020.

# TEXTILES

## STANDARD XI



2019

**Maharashtra State Bureau of Textbook Production and Curriculum Research,  
Pune - 411 004**



P4I1H7

The digital textbook can be obtained through DIKSHA APP on a smartphone by using the Q.R.Code given on title page of the textbook. On this Q.R.Code audio-visual teaching-learning material of the relevant lesson will be available.

**First Edition : 2019**

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**Textiles Subject Committee**

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Mrs. Varsha Gatpande	(Member)
Mrs. Sonali Kapoor	(Member)
Mrs. Ujwala Hirkude	(Member)
Mrs. Sheetal Thakre	(Member)
Smt. Ketaki Jani	(Member-Secretary)

**Cover, Illustrations and  
Computer Drawings**

Shri. Gaurav Gogawale

**Typesetter**

Baladev Computers

**Production**

**Sachchitanand Aphale**

Chief Production Officer

**Prabhakar Parab**

Production Officer

**Shashank Kanikdale**

Asst. Production Officer

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**Co-ordinator**

Ketaki Jani

Spl. Officer Gujarati

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Prabhadevi Mumbai- 400 025

**Chief Co-ordinator**

Smt. Prachi Ravindra Sathe





## **The Constitution of India**

### **Preamble**

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a SOVEREIGN SOCIALIST SECULAR DEMOCRATIC REPUBLIC and to secure to all its citizens :

JUSTICE, social, economic and political;

LIBERTY of thought, expression, belief, faith and worship;

EQUALITY of status and of opportunity; and to promote among them all

FRATERNITY assuring the dignity of the individual and the unity and integrity of the Nation;

IN OUR CONSTITUENT ASSEMBLY this twenty-sixth day of November, 1949, do HEREBY ADOPT, ENACT AND GIVE TO OURSELVES THIS CONSTITUTION.

## NATIONAL ANTHEM

Jana-gana-mana-adhināyaka jaya hē  
Bhārata-bhāgya-vidhātā,

Panjāba-Sindhu-Gujarāta-Marāthā  
Drāvida-Utkala-Banga

Vindhya-Himāchala-Yamunā-Gangā  
uchchala-jaladhi-taranga

Tava subha nāmē jāgē, tava subha āsisa māgē,  
gāhē tava jaya-gāthā,

Jana-gana-mangala-dāyaka jaya hē  
Bhārata-bhāgya-vidhātā,

Jaya hē, Jaya hē, Jaya hē,  
Jaya jaya jaya, jaya hē.

## PLEDGE

India is my country. All Indians  
are my brothers and sisters.

I love my country, and I am proud  
of its rich and varied heritage. I shall  
always strive to be worthy of it.

I shall give my parents, teachers  
and all elders respect, and treat  
everyone with courtesy.

To my country and my people,  
I pledge my devotion. In their  
well-being and prosperity alone lies  
my happiness.

## INTRODUCTION

Dear Students,

It gives me immense pleasure to render you the copy of Textiles Text Book in an interesting format. The syllabus has been upgraded with the current knowledge of concept and developments of new natural fiber, their nature, origin, manufacturing use and care.

The Textbook is designed for students who desire to gain a fundamental knowledge of a creative production and utilization of the fabric with emphasis on the Handlooms and Textiles of the states of India. The topics have covered a huge variety of ideas, informations and advices about the cultural and historical background about the different fabrics, finishes, designs, laundry equipments and techniques of using laundry equipments.

The practical knowledge has been given in the syllabus for the students to practice and understand the application of each topic. Eg. Fiber identification, label identification etc. The students will be prepared to deal with the problems of consumers and be a wise consumer.

The Complete Team of Committee of Authors and Artists were involved in laying out the foundation of their new book with creative and colourful pictures and illustrations to arouse the aesthetic and creative sense of the students. This book has Q.R. Code which will help the students in quick understanding and grasping the subject matter with ease.

The book contains glossary, Bibliography, and websites at the end of more information.

Thanks to the committee of Authors, Artists, Maharashtra State Bureau of Textbook, Production and Curriculum Research for the timely production of the Textbook in an Excellent form.

Thanks to the team of expert reviewers for their valuable advice.

The committee hopes that the students enjoy and gain the basic knowledge of the subjects. All the best wishes for your future educational career.



**(Dr. Sunil Magar)**

Director

Pune

Date : 20 June 2019

Maharashtra State Bureau of Textbook

Bharatiya Saur Dinank : 30 Jyeshtha 1941 Production and Curriculum Research, Pune



## FOR THE TEACHERS

Dear Teachers,

It gives us immense pleasure to handover this very interesting textbook of XI the standard Textiles to you all.

The book gives an insight about the basic concepts and terminology for textiles fibres, their history and development over the years. It also talks about the manufacturing, properties and uses of Natural Cellulosic fibres. Keeping the current trend of development and growing popularity of other natural fibres in mind - especially at an alternative to synthetic fibres which are not eco friendly - a whole new chapter has been introduced about them. The book deals with manufacturing up to the Yarn stage and a glimpse of different kinds of yarns made and their uses. Keeping the applied component of the subject in mind a chapter has been devoted to Consumers & Textile market, which deals with the challenges faced by the consumers as well as provides knowledge about different types of labels, purchasing and storage & care of textiles. A chapter about Household Textile has also been included keeping in mind the applied component. The basic concepts about laundry and ironing have been covered too. A special chapter has been introduced for the students to develop an interest in handloom as well as the rich cultural heritage of Indian traditional textiles.

The Practical part includes basic knowledge about various sewing equipment, sewing machine as well as basic of stitching. It also includes basics of ironing. There are practicals for identification of fibres and collection and identification of labels. Guidelines for Project Work have also been provided.

The book has been written in a very simple language with lots of communication with the reader and lots of activities for the students. The colourful pictures, various charts, tables and diagrams not only make the book a delight to read but also makes it easy for the students to understand the concepts.

A special feature introduced for the first time is that a QR code has been provided. The students as well as teachers can click onto it for further information, summary, videos, additional photos, more exercises and types of questions. This use of technology will surely make the book and the subject more interesting for the students.

The Board of Studies, authors, reviewers, artists and office staff have put in a lot of effort to make the book interesting, aesthetically appealing and also to get it ready in time.

Hope you all will accept and enjoy learning from this book from the current academic year.



## STUDENT'S LEARNING OUTCOME

No.	UNIT	Learning Outcome
1.	Introduction To Textiles	<ul style="list-style-type: none"> <li>Explains the history of the fibres.</li> <li>Understands the meaning and scope of fibres, yarns, fabrics.</li> <li>Obtains information regarding the different properties of textile fibres.</li> </ul>
2.	Cotton	<ul style="list-style-type: none"> <li>Understands the cultivation of textiles fibers and manufacturing process of the Cotton fibre &amp; Linen fibre.</li> <li>Studies the properties of the cotton fibres &amp; Linen fiber</li> <li>Understands the uses and applicability of the Cotton fibre &amp; Linen fibre.</li> </ul>
3.	Linen	<ul style="list-style-type: none"> <li>Understands the cultivation of textiles fibers and manufacturing process of the Cotton fibre &amp; Linen fibre.</li> <li>Studies the properties of the cotton fibres &amp; Linen fiber</li> <li>Understands the uses and applicability of the Cotton fibre &amp; Linen fibre.</li> </ul>
4.	Miscellaneous Cellulosic Fibres & Asbestos	<ul style="list-style-type: none"> <li>Throws light on the development of new cellulosic fibres.</li> <li>Understands the opportunities and developments of the new fibers.</li> <li>Obtains information regarding the uses of the new fibres.</li> </ul>
5.	Yarns	<ul style="list-style-type: none"> <li>Explains the concepts and terms used in the yarns formation.</li> <li>Understands the classification and Application of the simple yarn and novelty yarns.</li> </ul>
6.	Consumer & Textile Market	<ul style="list-style-type: none"> <li>Highlights the purchase of Textiles.</li> <li>Throws light on the problems of a consumer and Remedies to solve it.</li> <li>Obtains Information regarding. Labels and Storage of different fabrics &amp; care.</li> </ul>

7.	Introduction To Laundry	<ul style="list-style-type: none"> <li>• Understands the objective of Laundry and importance of washing methods.</li> <li>• Takes pride in achieving the skills of laundry, washing and ironing methods.</li> </ul>
8.	Ironing	<ul style="list-style-type: none"> <li>• Understands the objective of Laundry and importance of washing methods.</li> <li>• Takes pride in achieving the skills of laundry, washing and ironing methods.</li> </ul>
9.	Household Textiles	<ul style="list-style-type: none"> <li>• Gains information about the uses and care of household textiles.</li> </ul>
10.	Traditional Textiles of India	<ul style="list-style-type: none"> <li>• Highlights the importance of the rich heritage of Indian textiles.</li> <li>• Obtains knowledge and gains information about the unique traditional textiles state wise.</li> </ul>

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# Textiles

