

# नया आगाज़

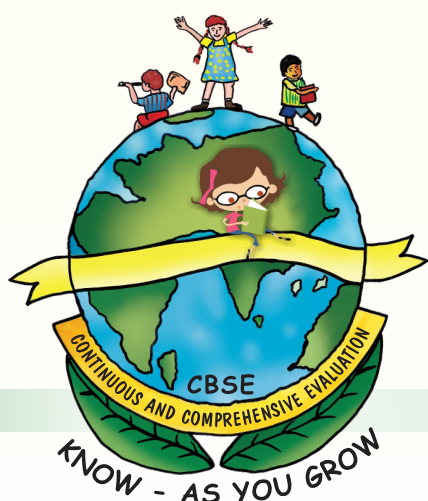
आज समय की माँग पर  
आगाज़ नया इक होगा  
निरंतर योग्यता के निर्णय से  
परिणाम आकलन होगा।

परिवर्तन नियम जीवन का  
नियम अब नया बनेगा  
अब परिणामों के भय से  
नहीं बालक कोई डरेगा

निरंतर योग्यता के निर्णय से  
परिणाम आकलन होगा।

बदले शिक्षा का स्वरूप  
नई खिले आशा की धूप  
अब किसी कोमल-से मन पर  
कोई बोझ न होगा

निरंतर योग्यता के निर्णय से  
परिणाम आकलन होगा।  
नई राह पर चलकर मंज़िल को हमें पाना है  
इस नए प्रयास को हमने सफल बनाना है  
बेहतर शिक्षा से बदले देश, ऐसे इसे अपनाए  
शिक्षक, शिक्षा और शिक्षित  
बस आगे बढ़ते जाएँ  
बस आगे बढ़ते जाएँ  
बस आगे बढ़ते जाएँ.....





# Fashion Studies



## Practical Manual

CLASS

**XI**



**CENTRAL BOARD OF SECONDARY EDUCATION**

Shiksha Kendra, 2, Community Centre, Preet Vihar, Delhi-110 301 India

# Fashion Studies



**Practical Manual on Fashion Studies Class–XI**

**Price: ₹**

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**Copies:**

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# भारत का संविधान

## उद्देशिका

हम, भारत के लोग, भारत को एक सम्पूर्ण <sup>1</sup>[ प्रभुत्व-संपन्न समाजवादी पंथनिरपेक्ष लोकतंत्रात्मक गणराज्य ] बनाने के लिए, तथा उसके समस्त नागरिकों को:

सामाजिक, आर्थिक और राजनैतिक न्याय,

विचार, अभिव्यक्ति, विश्वास, धर्म

और उपासना की स्वतंत्रता,

प्रतिष्ठा और अवसर की समता

प्राप्त कराने के लिए

तथा उन सब में व्यक्ति की गरिमा

और <sup>2</sup>[ राष्ट्र की एकता और अखंडता ]

सुनिश्चित करने वाली बंधुता बढ़ाने के लिए

दृढ़संकल्प होकर अपनी इस संविधान सभा में आज तारीख 26 नवम्बर, 1949 ई० को एतद् द्वारा इस संविधान को अंगीकृत, अधिनियमित और आत्मार्पित करते हैं।

1. संविधान ( बयालीसवां संशोधन ) अधिनियम, 1976 की धारा 2 द्वारा ( 3.1.1977 ) से “प्रभुत्व-संपन्न लोकतंत्रात्मक गणराज्य” के स्थान पर प्रतिस्थापित।
2. संविधान ( बयालीसवां संशोधन ) अधिनियम, 1976 की धारा 2 द्वारा ( 3.1.1977 ) से “राष्ट्र की एकता” के स्थान पर प्रतिस्थापित।

## भाग 4 क

## मूल कर्तव्य

51 क. मूल कर्तव्य - भारत के प्रत्येक नागरिक का यह कर्तव्य होगा कि वह -

- (क) संविधान का पालन करे और उसके आदर्शों, संस्थाओं, राष्ट्रध्वज और राष्ट्रगान का आदर करे;
- (ख) स्वतंत्रता के लिए हमारे राष्ट्रीय आंदोलन को प्रेरित करने वाले उच्च आदर्शों को हृदय में संजोए रखे और उनका पालन करे;
- (ग) भारत की प्रभुता, एकता और अखंडता की रक्षा करे और उसे अक्षुण्ण रखे;
- (घ) देश की रक्षा करे और आह्वान किए जाने पर राष्ट्र की सेवा करे;
- (ङ) भारत के सभी लोगों में समरसता और समान भ्रातृत्व की भावना का निर्माण करे जो धर्म, भाषा और प्रदेश या वर्ग पर आधारित सभी भेदभाव से परे हों, ऐसी प्रथाओं का त्याग करे जो स्त्रियों के सम्मान के विरुद्ध हैं;
- (च) हमारी सामासिक संस्कृति की गौरवशाली परंपरा का महत्त्व समझे और उसका परिरक्षण करे;
- (छ) प्राकृतिक पर्यावरण की जिसके अंतर्गत वन, झील, नदी, और वन्य जीव हैं, रक्षा करे और उसका संवर्धन करे तथा प्राणिमात्र के प्रति दयाभाव रखे;
- (ज) वैज्ञानिक दृष्टिकोण, मानववाद और ज्ञानार्जन तथा सुधार की भावना का विकास करे;
- (झ) सार्वजनिक संपत्ति को सुरक्षित रखे और हिंसा से दूर रहे;
- (ञ) व्यक्तिगत और सामूहिक गतिविधियों के सभी क्षेत्रों में उत्कर्ष की ओर बढ़ने का सतत प्रयास करे जिससे राष्ट्र निरंतर बढ़ते हुए प्रयत्न और उपलब्धि की नई उंचाइयों को छू ले;
- <sup>1</sup>(ट) यदि माता-पिता या संरक्षक हैं, छह वर्ष से चौदह वर्ष तक की आयु वाले अपने, यथास्थिति, बालक या प्रतिपाल्य के लिये शिक्षा के अवसर प्रदान करे।

1. संविधान ( छयासीवां संशोधन ) अधिनियम, 2002 की धारा 4 द्वारा ( 12.12.2002 ) से अंतः स्थापित।

# THE CONSTITUTION OF INDIA

## PREAMBLE

WE, THE PEOPLE OF INDIA, having solemnly resolved to constitute India into a <sup>1</sup>[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<sup>2</sup> [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.

1. Subs, by the Constitution (Forty-Second Amendment) Act. 1976, sec. 2, for "Sovereign Democratic Republic" (w.e.f. 3.1.1977)
2. Subs, by the Constitution (Forty-Second Amendment) Act. 1976, sec. 2, for "unity of the Nation" (w.e.f. 3.1.1977)

# THE CONSTITUTION OF INDIA

## Chapter IV A

## FUNDAMENTAL DUTIES

### ARTICLE 51A

Fundamental Duties - It shall be the duty of every citizen of India-

- (a) to abide by the Constitution and respect its ideals and institutions, the National Flag and the National Anthem;
- (b) to cherish and follow the noble ideals which inspired our national struggle for freedom;
- (c) to uphold and protect the sovereignty, unity and integrity of India;
- (d) to defend the country and render national service when called upon to do so;
- (e) to promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious, linguistic and regional or sectional diversities; to renounce practices derogatory to the dignity of women;
- (f) to value and preserve the rich heritage of our composite culture;
- (g) to protect and improve the natural environment including forests, lakes, rivers, wild life and to have compassion for living creatures;
- (h) to develop the scientific temper, humanism and the spirit of inquiry and reform;
- (i) to safeguard public property and to abjure violence;
- (j) to strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievement;
- <sup>1</sup>(k) who is a parent or guardian to provide opportunities for education to his/her child or, as the case may be, ward between age of six and fourteen years.

1. Ins. by the constitution (Eighty - Sixth Amendment) Act, 2002 S.4 (w.e.f. 12.12.2002)



# Fashion Studies

## Foreword

India is known for its rich heritage of textiles and costumes. The global interest and demand for Indian textile and craftsmanship has led to an emergence for huge apparel industry for domestic market and export.

The large scale production of ready-to-wear clothing has led to setting up of manufacturing units and export houses, requiring trained professional to lead the design activity and product development and coordination. The Indian apparel industry is spreading and growing by leaps and bounds providing employment to over a million people.

In response to the above the subject FASHION STUDIES is being introduced at Senior Secondary level as an independent elective subject in the academic stream. A student will have the option to take this subject in combination with other subjects. The course portrays up-to-date basic concepts, techniques, application and some classroom practical. The publication in hand is the main course book, which covers all necessary information essential to understand the principles of 'Fashion Studies' included in the syllabus. Further, guidelines in project work will be developed to enable the teachers for effective transaction of curriculum.

The subject has been developed in collaboration with NIFT (National Institute of Fashion Technology, Delhi). I place on record the services rendered by Shri. P.K. Gera, Director General, NIFT. The NIFT faculty who have contributed as authors of various chapters are Sr. Prof. Banhi Jha, Dean and CBSE Project Coordinator, Professor Kripal Mathur, Project Anchor, Prof. Vandana Narang, Dr. Nilanjana Bairagi, Ms. Ashima Tiwari and Ms. Anu Jain. The initiatives taken by Dr. Sadhana Parashar, Prof. & Director (ART&I) and the efforts made by Dr. Kshipra Verma, Education Officer are highly appreciated in bringing out the publication.

I invite the comments and suggestions from the experts, teaching community to improve upon the curriculum, textual material and other related matter.

**Vineet Joshi**  
Chairman



## Preface

Fashion theory and practices are built on an academic foundation where history, anthropology, sociology, psychology and economics intermingle to shed light on clothing as one of the three most essential needs of the human race. It is a visual indicator of the cultural identity of a country.

Fashion is a dynamic force which influences lifestyle choices made by consumers. It drives international trends in a multitude of areas from apparel, accessories, automobiles, cuisine, wellness, vacations and more. Glamour notwithstanding, fashion is a serious global business with high financial stakes. The increasing references to Indian textiles, clothing and culture on international ramps are indicative of India being centre-stage on the global fashion map.

The current educational scenario provides students with a wide range of subjects that are informative and also encourage individual aptitude. Many want to pursue non-traditional careers where creativity, problem-solving and business acumen integrate into an exciting combination. Fashion Studies, introduced by CBSE at the 10+2 level as an elective academic subject, points in the direction of fashion as a creative and challenging career.

Fashion Studies offers insight into the components and processes of design, manufacturing, marketing in apparel and textiles. It encompasses the process from fibre to fabric, from concept to creation of garments. It provides an overview of fashion, introduces an understanding of fabrics and surface techniques, design fundamentals and elements of garment-making.

Fashion Studies is envisaged to help students to make an informed decision about their future goals.

**Sr. Prof Banhi Jha**  
Dean - Academics



# Fashion Studies

## Acknowledgement

### CBSE

Mr. Vineet Joshi, IAS  
Dr. Sadhna Parashar, Prof. & Director (ART & I)  
Dr. Kshipra Verma, Education Officer

### NIFT

Mr. Prem Kumar Gera, IAS  
Sr. Prof Banhi Jha, Dean (Academic)

### Anchor

Prof. Kripal Mathur

### Contributors

1. Overview of Fashion: Sr. Prof. Banhi Jha
2. Introduction to Fibres, Dyeing and Printing: Dr. Nilanjana Bairagi
3. Design Fundamentals: Prof. Kripal Mathur
4. Elements of Garment making: Prof Vandana Narang & Ms Anu Jain



# Fashion Studies





# Fashion Studies

## FASHION STUDIES I

**Total Marks 100**  
**(Theory 70 + Practical 30)**

Students will demonstrate their understanding of the subject through the following practical exercises:

### CHAPTER 1: OVERVIEW OF FASHION

1. Relating Fashion Cycle theories to contemporary fashion
2. Explaining the Pendulum Swing theory for fashion forecasting
3. Referencing of historical costumes as inspiration for Indian apparel design
4. Use of print media as a source of information for fashion trends

### CHAPTER 2: INTRODUCTION TO FIBERS, DYEING AND PRINTING

5. Identification and distinguishing between the different fibres through burning test
6. Identification of basic weaves in fabrics
7. Identification of different printing techniques on fabric
8. Applications and end uses of different textile structures

### CHAPTER 3: DESIGN FUNDAMENTALS

9. Analysis of the relationship between form/shape and function/use and to develop sensitivity towards color, shape and texture.
10. Analysis of varied textures in nature and man-made environment
11. Conversion of verbal language into design development
12. Use of Balance/Symmetry, Emphasis and Contrast in designing products and spaces

### CHAPTER 4: ELEMENTS OF GARMENT MAKING

13. Develop familiarity with the machine
14. Prepare samples of seams
15. Prepare samples of seam finishes
16. Prepare samples of gathers, pleats and tucks



## MATERIAL LIST

\* For Practical Exercises 1- 4

### I. Drawing Board - Half Imperial

### II. Paper

- i. Cartridge paper
- ii. Sunlit Bond paper
- iii. Ivory paper
- iv. Tracing paper / Gateway tracing paper
- v. Butter paper

### III. Stationery

- i. Graphite pencils - HB, B, 2B
- ii. Clutch pencil - 1
- iii. Erasers (medium size) - 6
- iv. Plastic ruler - 12" and 24"
- v. Plastic ruler - 12" and 24"
- vi. Black pen - thin nib

### IV. Miscellaneous Supply

- i. Scotch tape - 1
- ii. Masking Tape/ Cello tape - 1
- iii. Stapler - 1
- iv. Scissors - medium size
- v. Drawing board clips - 4
- vi. Pins - Thumb pins, Gem clips, All-pins
- vii. Glue

### V. Art supplies

- i. Poster colours - box of 12



# Fashion Studies

- ii. Black water-proof ink - 1 bottle
- iii. Colour pencils - set of 12 colours
- iv. Colour marker pens - set of 12 colours

## VI. Brushes

- i. Round watercolor brushes - size nos. 2, 4, 8 (1 each)
- ii. Flat watercolor brushes - size nos. 3,5 (1 each)

## VII. Palette(for mixing colours)

## VIII. Water Container

- i. Ceramic mug or glass - 1

## IX. Sketchbook - 11" by 14"

## X. Portfolio case-Half Imperial size

## XI. Apron -1 (to protect the school uniform during practical exercises)

### Paper sizes (for reference)

Size	Inches	
A1	23.4 by 33.1	Full Imperial
A2	16.5 by 23.4	½ Imperial
A3	11.7 by 16.5	¼ imperial
A4	8.3 by 11.7	