

**SMART SKILLS
CLASS-XI****FASHION STUDIES (Code No. 053)****Preamble:**

Fashion is dynamic and ever changing. It is one of the most powerful forces in our lives. It influences every facet of our lifestyle at a particular period in time e.g. the clothes we wear, the music we listen, the food we eat, where we go for holiday or the car we drive in etc.

Fashion is a big business and key driver for several industries e.g. apparel, accessories, textiles, automobiles etc.

The purpose of the course 'Fashion Studies' is to tell the students about the fundamentals of fashion design. Fashion Design as a profession includes the entire process of designing and producing fashion apparels from the fibre and yarn stage to the finished product. The course will give an overview of fashion design and elaborate on different aspects like elements of design, history of fashion, fabrics, and understanding of the body, pattern development and garment construction.

COURSE CONTENT**Unit - I : Introduction to Fashion Studies****10 Marks****Objectives of the course**

- ✓ To learn appropriate fashion terminology
- ✓ To understand the fashion business
- ✓ To gain knowledge of the working and interrelationships of different industries and services that comprise fashion business
- ✓ To differentiate and appreciate the nuances of fashion terminology

Learning outcome

- ✓ After finishing the course, the students shall be able
- ✓ To use appropriate terminology used in fashion world
- ✓ To understand the interrelationship in fashion business
- ✓ To get the overview of fashion

Course content

- ✓ Fashion-definition of fashion in all its aspects.
- ✓ Style-the definition of style and differentiation from fashion.
- ✓ Trend-definition of the term, origin of trends and fashion.
- ✓ Understanding the similarity and difference between design art and craft.
- ✓ Understanding the role of fashion professionals like designer, stylist, merchandiser and coordinator.
- ✓ Fashion Cycle, International Trade in Fashion.
- ✓ The various aspects of fashion business. designing, manufacturing and retailing scenarios for apparel.

Methodology of teaching: Illustrated lectures with slides and visuals

Reference Text: Concept to consumer, by Gini Stephens Frigns

Inside Fashion Business, by v. Jeanette A. Jarrow,

Miriam Guerrero, Beatrice Judelle

Unit. II: Introduction to Fabrics

20 Marks

Objectives of the course

- ✓ To initiate students into the world of fabrics
- ✓ To introduce students to the origin and properties of natural, manmade and synthetic fibres and fabrics.
- ✓ To make students aware of spinning, weaving, knitting and bonding etc.
- ✓ To teach the students behavior of fabrics in terms of use and performance.
- ✓ To brief them about various finishes.

Learning outcome

- ✓ After finishing the course, the students shall be able
- ✓ To identify and differentiate between fabric varieties
- ✓ To understand the various processes of fabric manufacturing
- ✓ To understand the various kinds of finishes both of routine nature and special finishes that enhances performance and aesthetics of the fabric.

Course content

- ✓ Uses of fabrics-for various categories of apparel.
- ✓ Understanding the characteristics and properties of natural, synthetic and manmade fibres and blends.
- ✓ Conversions of fibres into yarns, novelty yarns, difference between thread and yarn.
- ✓ Conversion of yarns into fabrics using looms & knitting machines etc. illustrated through actual fabric samples.
- ✓ Understanding different type of routine fabric finish - from grey fabric to fully finished fabric.
- ✓ Performance finishes: fabric finishes enhancing properties of fabrics such as shrink resistance, permanent press, flame retardant etc.
- ✓ Aesthetic finishes: Fabric finishes for value addition of the fabrics such as printing, embossing, dyeing etc.
- ✓ Product Cycle and the link between yarn, fabric and garment.

Teaching Methodology: Illustrated lectures with slides and visuals along with actual fabric samples.

A teacher would be expected to create a library of fabrics to explain conduct the classes.

Reference Text: 'Textiles' by Sara Kadolph & Anna Langford

Essentials of Textiles, by Marjorie Joseph.

Unit - III: Elements of Design**20 Marks (Theory)****15 Marks (Practical)****Objectives of the course:**

- ✓ To introduce the students to the basic elements of design
- ✓ To increase and build sensitivity to the forms around them
- ✓ To develop and initialize a design vocabulary, an essential tool for practicing as designers
- ✓ To create visual images with a greater variety of methods and materials to provide unexpected excitement and solutions.

Learning outcome

- ✓ After finishing the course, the students shall be able
- ✓ To demonstrate enhanced ability and sensitivity to elements of design
- ✓ To use their developed ability to observe finer details around them
- ✓ To develop basic design language
- ✓ To relate the elements of design to understand design process for their projects

Course content

- ✓ Understand the concept of design.
- ✓ Understanding line as an important element of structure that determines the direction of visual interest in the context of a garment.
- ✓ Understanding 2D and 3D forms.
- ✓ Understanding the colour quality, intensity, relationship with other colours, textures, shape etc.
- ✓ Selection of fabric for its appearance and texture- fibre, yarn, manufacturing technique, finish and colour.
- ✓ Harmony to achieve the condition in which all the elements of design work together successfully.
- ✓ Understanding of balance and proportion to enable the students to emphasize or to underplay and certain elements.

Teaching Methodology: Illustrated lectures with slides, visuals and demonstrations wherever required.

Evaluation Criteria

- ✓ Understanding of the assignment given
- ✓ Quality of the work submitted
- ✓ Daily assessment to be done after each student presents their work
- ✓ Marks would be given for level of improvement of work
- ✓ 10% marks to be given for punctuality, regularity and sincerity
- ✓ Timely completion of the project

Reference Text: 'Grafix' by Wolfganghageney

Repeat pattern-Peter Phillips, Gillian Bunce

Design Elements 2 -Richard Hora

Unit - IV : Elements of Garment Making**20 Marks (Theory)****15 Marks (Practical)****Objectives of the course**

- ✓ To Introduce the students to garment making

- ✓ To make them familiar with sewing machine and its parts
- ✓ To make them familiar with use of other sewing aids
- ✓ To teach them basic hand and machine stitches
- ✓ To teach them simple machine operations

Learning outcome

After finishing the course, the students shall be able

- ✓ To work proficiently on the sewing machine
- ✓ To rectify simple problems of the machine
- ✓ To stitch different seams on the machine
- ✓ To finish edges with hand stitches
- ✓ To make gathers, pleats and tucks on the fabric

Course content

- ✓ Introduction to sewing machine, its various parts and functions along with other sewing aids.
- ✓ Understanding the simple problems of sewing machine and its maintenance.
- ✓ Develop proficiency in straight and curved seams.
- ✓ Basic hand stitches - basting, hemming, back stitch, running stitch etc. with their end use.
- ✓ Basic machine seams used for stitching or finishing various parts of the garments like plain seam French seam, flat fell, lapped etc.
- ✓ Fabric manipulation like gathers, pleats and tucks etc.

Teaching Methodology: Illustrated lectures with slides, visuals and demonstrations where ever required.

Evaluation Criteria

- ✓ Understanding of the assignment given
- ✓ Quality of the work submitted
- ✓ Daily assessment to be done after each student presents their work
- ✓ Marks would be given for level of improvement of work
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- ✓ Timely completion of the project

Reference Text: Encyclopedia of Dressmaking, by Marshall Cavendish
Readers Digest book of Sewing, Encyclopedia of Sewing.

FASHION STUDIES PRACTICAL

- ✓ Exercises using elements of art like line, form, colour, texture, space etc. following the principles of design
- ✓ Exercises on colour wheel, value chart, intensity chart, colour schemes
- ✓ Exercises on hand stitches - basting, running, hemming, back stitch and its variations
- ✓ Seams - plain, French, lapped, flat fell, Hongkong, eased and top stitched
- ✓ Gathers, pleats and tucks
- ✓ End term project
- ✓ Viva voce and portfolio

UNIT 1 : INTRODUCTION TO FASHION STUDIES**VERY SHORTANSWER QUESTIONS**

1. Define Fashion

2. Define:

- Fashion cycle
- Designer,
- Knock offs,
- Fashion motivators,
- Trend analysis,
- Greige goods,
- Trend
- Fibres,
- Yarns,
- Ramie,
- Polypropylene

SHORT ANSWER QUESTIONS

1. How have scientific development had significant influences on fashion?
2. Who are fashion leaders?
3. What are classics and fads?
4. What do you understand by “shock versus stock”?
5. What are the factors which guide the selection of a store/ outlet by a brand?
6. State two reasons which make fashion leaders Avante Garde?
7. Define a ‘prototype’ and ‘toile’
8. What is a line in terms of fashion?
9. Define lead time.
10. “Fashion is a serious business.” Justify.
11. Briefly explain the three methods of making patterns.

12. Explain the role of a merchandiser.
13. Explain fashion forecasting.
14. Differentiate between – classic and fad
 - style and fashion
 - limited and mass fashion
 - couture and prêt-a-porter
15. Discuss with suitable examples the concept of cycles within the fashion cycle.
16. Who are fashion followers and what is their role in fashion industry?
17. Explain how trickle up theory of fashion is relevant in men's wear? Support with two suitable examples.
18. Differentiate between –
 - a. fashion leaders and fashion motivators
 - b. fashion victims and fashion followers
 - c. fashion innovators and fashion leaders
19. Explain briefly about the linkages and differences between design, art and craft.
20. Define the term fashion cycle and discuss its various stages using appropriate illustrations.
21. Discuss the factors influencing fashion with suitable examples.
22. 'History has examples where political factors have strongly channelized the course of fashion' justify the statement using appropriate examples
23. Explain 'fashion forecasting' in detail.

LONG ANSWER QUESTIONS

1. (a) Why is a fashion cycle always a bell curve never touching the dimensions of zero on a line?
(b) Diagrammatically show a fashion cycle for Fads and Classics
2. Explain the stages of a fashion cycle. Illustrate your answer with a graph.
3. What factors are considered before selecting a fabric? Discuss any five
4. Discuss the importance of the role of a designer. Also, highlight the designer worksheet.
5. Explain the various 'Elements of Design'

UNIT II : INTRODUCTION TO FABRICS**VERY SHORT ANSWER QUESTIONS**

1. Name an environment friendly fiber. Why is it called so?
2. List any one most relevant strength and weakness of a rayon fabric.
3. What does TPI stand for?
4. Give two examples of protein fibers
5. What are the chemicals used for imparting flame resistant and water repellent finish to the fabrics?
6. Why is spandex used in sports wear?
7. Give two examples each of regenerated and synthetic fabrics.
8. Why is degumming essential?
9. Define worsted fabrics
10. Which fiber is called 'artificial silk'?
11. What are the basic building blocks of fabrics?
12. What does 'ASTM' stands for?
13. Name the secondary operation of a loom.
14. What is 'Dope Dyeing'?

SHORT ANSWER QUESTIONS

1. What do you understand by 'weight' and 'hand' of a fabric?
2. State two uses of spandex
3. What are blends? Why is blending of fibers done?
4. 'All threads are yarns, but all yarns are not threads'. Explain
5. Explain the types of wool.
6. What properties are introduced in a yarn as a result of twisting?
7. Identify one fabric each that you would choose for the following categories. Also, give reasons for your choice.
 - a) Winter

- b) Summer
 - c) For a child
8. Classify fibers on the basis of their origin.
 9. Differentiate between staple and filament fibers.
 10. Why do we prefer wearing cotton in summers? Name any two varieties of cotton.
 11. Give the terms used for the following –
 - a) Vertical columns of loop
 - b) Natural filament fiber
 - c) Total number of Wales and course per inch
 12. What are the differences between aesthetic and functional finishes?(give examples)
 13. Why nylon is called an easy care fabric?
 14. Name and explain two variations of plain weave.
 15. Why is Tencel called an environmental friendly fabric?
 16. What are the three types of yarns? Explain with diagrams.
 17. Enumerate any six properties introduced in a yarn as a result of twisting.
 18. What properties are enhanced by mercerization?
 19. Explain the following terms:
 - a) Lead time
 - b) Singeing
 - c) Beetling
 20. Discuss any three methods of yarn dyeing.
 21. List down four problems one can face while using natural dyes.
 22. Why is nylon called an easy care fabric?
 23. Explain the basic styles of printing.
 24. Explain twill weave.
 25. Differentiate between –
 - a) Permanent and temporary finishes
 - b) Stock dyeing and piece dyeing
 26. How does a terrycot score over polyester?
 27. What is degumming? Why is it essential?

28. Explain the numbering system used to determine the yarn size.
29. What are novelty yarns? Discuss how novelty yarns add different textures to the fabric?
30. How will the amount of twist given to the fibers decide the property of a yarn?
31. Give six points of differences between nylon and silk fabric.
32. Explain the function of a loom using primary and secondary operations.
33. Differentiate between –
 - a. Weaving and knitting
 - b. Warp and weft knitting
 - c. Desizing and scouring
 - d. Dyeing and printing
 - e. Fiber and yarn dyeing
 - f. Fabric and garment dyeing
 - g. Resist and discharge style of printing
34. Give the various defects of printing.
35. Define screen printing. Also, explain the types of screen printing.
36. Explain rotary screen printing in detail.
37. Define various types of printing

LONG ANSWER QUESTIONS

1. What is beaching and why is it important?
2. Enumerate the two categories of bleaching agents with examples. Name the fibers for which each category is used
3. Explain the primary and secondary operations of weaving

UNIT III: ELEMENTS OF DESIGN**VERY SHORT ANSWER QUESTION**

1. Define the term “repeat of print”
2. Name any warm and cool color
3. What are complimentary colors
4. Define value and hue
5. What is an Egyptian cubit?
6. Define English foot.

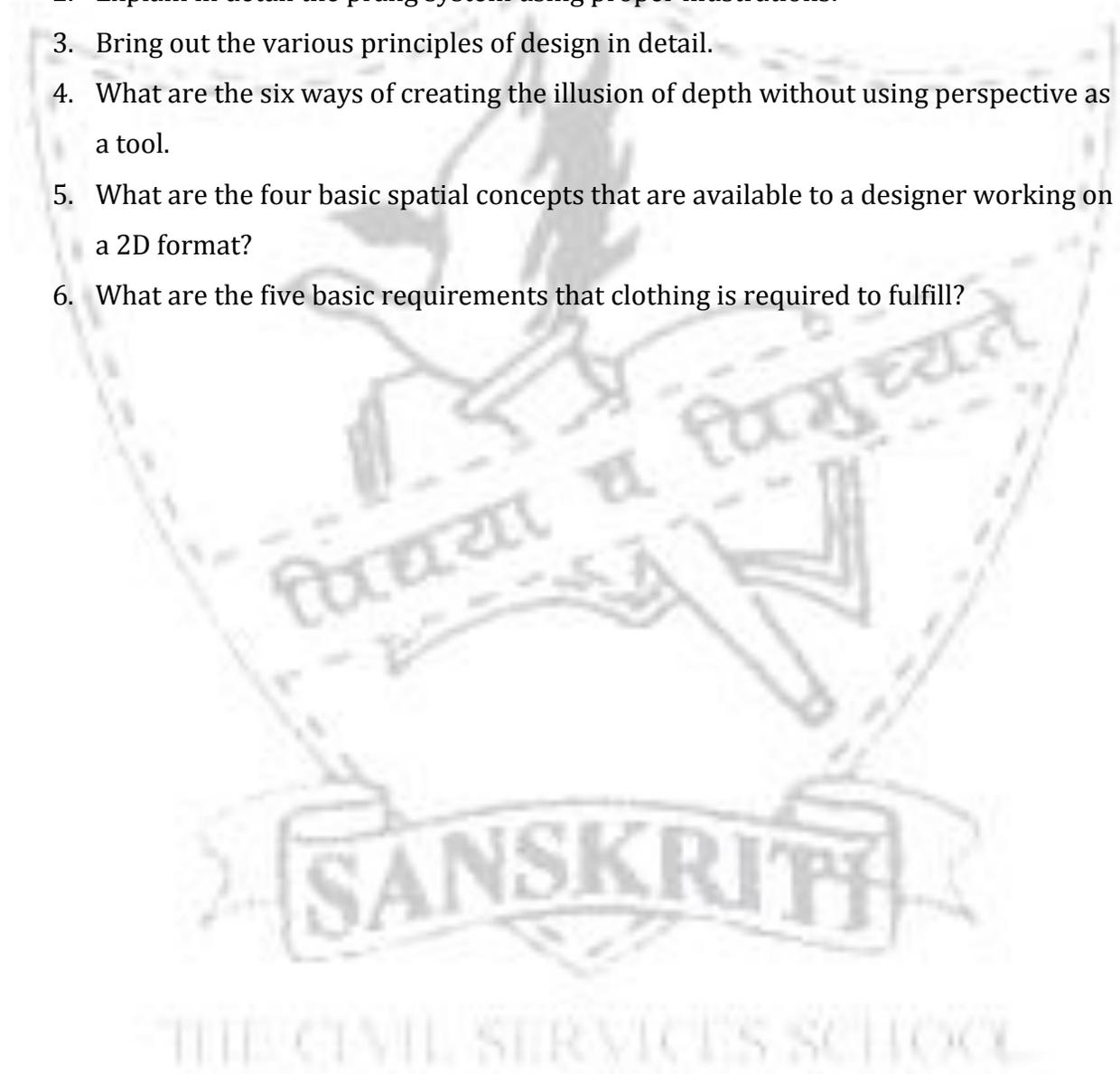
SHORT ANSWER QUESTIONS

1. Explain the ‘ Bauhaus theory of colour’
2. Define
 - a) Intensity
 - b) Neutral colors
 - c) Color harmony
3. State any six uses of colour.
4. What are the three dimensions of colour. Explain
5. Based on the scientific theory of light, classify color
6. Write a short note on color harmony.
7. Explain the importance of texture in designing using various examples
8. Explain proportion as a principle of design.
9. “Individuality describes those, that stand out from others in a group because of some distinct trait” justify
10. Differentiate between
 - a. Symmetrical and asymmetrical balance
 - b. Rhythm and repeat
 - c. Regular and accented repetition
 - d. Linear and aerial perspective

- e. Linear and solid form

LONG ANSWER QUESTIONS

1. Illustrate the relationship between 'space and form' using proper illustration.
2. Explain in detail the prang system using proper illustrations.
3. Bring out the various principles of design in detail.
4. What are the six ways of creating the illusion of depth without using perspective as a tool.
5. What are the four basic spatial concepts that are available to a designer working on a 2D format?
6. What are the five basic requirements that clothing is required to fulfill?



UNIT IV: ELEMENTS OF GARMENT MAKING

VERY SHORT ANSWER QUESTIONS

1. Define 'bobbin'
2. What is the role of shuttle?
3. What is the function of throat plate?
4. Elaborate the term SPI.
5. What is a slopper?
6. Give another name for 'block'?
7. Why is hemming important?
8. What are 'tucks'?

SHORT ANSWER QUESTIONS

1. Differentiate between:
 - a. seam line and seam allowance
 - b. lockstitch and sewing machine
 - c. even and half stitch
 - d. even and uneven basting
 - e. box and knife pleats
2. Give names of any two fabrics suitable for preparing French seams? Also state any two areas where the seam is used extensively?
3. What is 'stitch tension'? Why is it important to balance the tension in the upper and the lower thread of a machine?
4. Define the various types of needles.
5. Give any 6 safety rules to be observed while working on the machine
6. Explain 'Dress form' as a sewing aid
7. Give the solution to rectify the following sewing machine problems:
 - a. bobbin winds unevenly
 - b. fabric layers feed unevenly
 - c. puckering while stitching
 - d. marks on underside

- e. fabric is damaged or holes develop around the stitches
 - f. bobbin does not wind
 - g. motor of a sewing machine runs but hand wheel does not turn
 - h. fabric does not feeds
 - i. machine makes noises
 - j. needle is unthreaded
 - k. needle breaks
 - l. stitches skips
8. What are the possible reasons for breaking up of needle in a sewing machine?
 9. Where is plain seam usually used?
 10. Explain the importance of curved/ cornered seam?
 11. Define 'seam finishes'. What points should be kept in mind while deciding the seam finish?
 12. What is a self enclosed seam? What are its two types?
 13. Explain the two seams with fullness.
 14. What would you do if the fabric is heavy or stiff while preparing a gathered seam?

LONG ANSWER QUESTIONS

1. Differentiate between 'lockstitch power machine' and 'lockstitch home sewing machine'
2. Enumerate the various types of threads. Also explain the threads for decorative stitching.
3. Explain sequentially the steps of threading a sewing machine.