

CLASS XII

There will be two papers:

Paper I: Theory- 3 hours - 100 marks

Paper II: Practical 3 hours - 100 marks

PAPER I – THEORY

*Candidates will be required to answer **five** questions, including at least **two** questions from Section A and **two** questions from Section B.*

SCIENCE AND TEXTILES

SECTION A

1. Fibres - Classification of natural and man-made; origin, production, nature and structure, physical and chemical properties with special reference to the effects of agents encountered today in wear, laundering and dry cleaning; identification of fibres.
2. Yarns: blending, system of manufacture, properties of yarn (twist, count, etc.), textured yarns.
3. Fabric structure, and properties such as felting. Weaving, knitting and other methods of fabric production including braiding.
4. Finishing processes as applied to yarns and fabrics.

SECTION B

5. Importance of colour in textiles: dyeing and printing.
6. Awareness of the limitations of fabrics and their special care.
7. Currently developed fibres, fabrics and finishes. Fabrics of the moment such as simulated furs, non-woven fabrics and laminates; leather, fur, rubber and plastics.
8. A brief survey of the development of the textile industry; social and economic effects.

PAPER II - PRACTICAL WORK

The practical work will be assessed by a Visiting Examiner appointed locally and approved by the Council.

1. Simple tests on fibre identification, microscopic and physical appearances, burning tests, etc.
2. Laundering and finishing of textile fabrics: Cotton, Silk, Woolen, Synthetic.
3. Simple dyeing of clothes.
4. Renovation and repairs, darning, patchwork.