

SYLLABUS FOR PHD. ENTRANCE EXAM

FASHION DESIGNING

SCHOOL OF VOCATIONAL STUDIES

| UNIT | | CREDIT |
|-------------|---|---------------|
| UNIT 1 | <p>INTRODUCTION TO TEXTILES: -</p> <ol style="list-style-type: none">1. Textile terminologies- fibre, yarn, weave, fabric etc., classification of fibres, yarns and weaves, Identification of fibres and weaves.2. Manufacturing process of major natural and manmade fibres, properties and their end use.3. Different methods of fabric construction-woven, knitted and non-woven fabrics, their properties and end -uses.4. Textiles finishes-classification, processing and purposes of finishes.5. Traditional textiles of India-embroidered textiles, printed textiles, woven textiles, dyed textiles of various regions in India. Identification on the basis of fibre content, technique, motif, colour and designs. | 1 |
| UNIT 2 | <p>TEXTILE TESTING, DYEING AND QUALITY CONTROL-</p> <ol style="list-style-type: none">1. Dyeing and printing-classification, method of block printing, tie and dye, batik, roller printing, screen printing, discharge, heat transfer printing and digitized printing.2. Textile and environment-banned dyes, eco-friendly textiles, contamination and effluent treatment, Eco-label and eco marks.3. Textile Testing and quality control-need of testing, sampling method, techniques of testing fibres, yarn, fabrics and garments.4. Need of testing, sampling method, techniques of testing fibres, yarn, fabrics and garments.5. Testing of colour-fastness, shrinkage, pilling and GSM of fabrics.6. Textile and environment-banned dyes, eco-friendly textiles, contamination and effluent treatment, Eco-label and eco marks. | 1 |

| | | |
|--------|--|--|
| | <p>7. Recent developments in textiles and apparels- nano textiles, technical textiles, occupational clothing, zero waste designing, up cycling and recycling.</p> | |
| UNIT 3 | <p>APPAREL DESIGNING: -</p> <ol style="list-style-type: none"> 1. Body measurements-procedure, need, figure types and anthropometry. 2. Equipment's and tools used for manufacturing garments-advancements and attachments used for sewing machine. Types of machines used and their parts. 3. Elements and principles of design and its application to apparel. Illustrations and parts of garments. 4. Fashion-Terminologies, fashion cycle, fashion theories, fashion adoption, fashion forecasting and factors affecting fashion. 5. Pattern making-drafting, draping and flat pattern making techniques, pattern alteration and dart manipulation techniques. | |
| UNIT 4 | <p>APPAREL MANUFACTURING & QUALITY CONTROL</p> <ol style="list-style-type: none"> 1. Apparel manufacturing-terminology used, seams, techniques and machines used, process of fabric to apparel manufacture. 2. Apparel Quality Testing-Quality standards and specification, Quality parameters and defects of fabrics and garments. 3. Care and maintenance of clothing-principles of washing, laundry agents, storage techniques care labels and symbols. 4. Selection of clothing for different age groups. Selection of fabrics for different and uses. 5. Research methods-hypothesis testing, types and scope | |

REFERENCES: -

| Sr. No. | Authors Name | Name of the book | Name of Publisher |
|----------------|--------------------------------------|---|--|
| 1. | Bernard P.Corbman | Textiles: Fiber to Fabric 6 th Edition | New York:Mc Graw Hill Book Co.,1983 |
| 2. | GohlVilensky | Textile Science | Melborne: Loagman Cheshire Pvt.Ltd.1983 |
| 3. | Shenai V.A | Technology of Dyeing Vol.VI | Sevak Publication Bombay |
| 4. | Trotman E.R | Bleaching and Dyeing and Chemical Technology of Textile Fibers, 5 th edition | London, Griffin and Co. |
| 5. | Marsh J.T | An Introduction to Textile Finishing | Chapman & Hall Ltd. |
| 6. | Joseph M. | Essentials of Textile Science,4 th edition | Fort worth Harcourt Brace Jovanovich college Publishers,.1988 |
| 7. | Kadolph, Langford, Hollen Saddler | Textiles 16 th Edition | New York, Macmillan Publishing Co,1988 |
| 8. | Tortora | Understanding Textiles 4 th Edition | New York, Macmillan Publishing Co,1992 |
| 9. | Deepali Rastogi & Sheetal Chopra | Textile Science | R K Books |
| 10. | Savitri Pandit | Indian Embroidery | Jaymudra, Baroda |
| 11. | ShailjaNaik | Traditional Embroideries Of India | A.P.H. Publishing Corporation |
| 12. | Readers Digest | Complete Guide to Needlework | The Readers Digest Association, Inc. Pleasant Ville, New York |
| 13. | | Anchor Needle and Thread | Journal |
| 14. | | Modern Embroidery Series 1 to 10 | MBD Publishers & Distributer |
| 15. | | Creative Embroidery Designs | Ondorisha Publishers Ltd |
| 16. | Mary Webb | Embroidery Stiches | Quantum Publishing Ltd |
| 17. | Suman Verma | Anmol Embroidery Designs | Ajay Book service |

| | | | |
|-----|--|--|--|
| 18. | Narendra Kataria | Embroidery Wedding Sarees | Monika International |
| 19. | John Gillow & Nicholas Barnard | Traditional Indian Textiles | Thames And Hudson Publishers |
| 20. | Veronica Murphy & rose Mary Crill | Tie-Dyed Textiles Of India | Victoria & Albert Museum- Mapin Publishing Pvt Ltd |
| 21. | Rustam J Mehta | Master Pieces Of Indian Textiles | D.B. Taraporevala Sons & Co. Pvt. Ltd |
| 22. | Jasleen Dhamija & Jyotindra Jain | Hand Woven Fabrics Of India | Mapin Publishing Pvt Ltd. Ahmedabad |
| 23. | G.K.Ghosh & Shukla Ghosh | Ikat Textiles Of India | A.P.H. Publishing Corporation |
| 24. | Linda Lyton | The Sari | Thames & Hudson |
| 25. | Gulab Kothari | Colourful Textiles of Rajasthan | Jaipur Printers |
| 26. | | Textiles and Crafts of India | NIFT Publication Division |
| 27. | Cooklin Gerry | Garment Technology for Fashion Designers | Blackwell Science Ltd. 1997 |
| 28. | Chuter A.J | Introduction to Clothing Production Management 2 nd Edition | Blackwell Science Ltd. 1995 |
| 29. | Pradip V. Mehta | An Introduction to Quality Control for the Apparel Industry | New age International (P) Ltd. |
| 30. | Harold Carr and Barbara Latham | The Technology of Clothing Manufacture, 2 nd Edition | John Wiley & Sons; edition 1994 |
| 31. | <u>T. Karthik</u> , <u>Ganesan, P</u> , and <u>Gopalakrishnan, D</u> | Apparel Manufacturing Technology | CRC Press, 2016 |
| 32. | <i>Nayak, D and Padhye, R</i> | Garment Manufacturing Technology | Woodhead Publishing |