



KONGU ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

ERODE – 638 107

M.Sc (Costume Design & Fashion)



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2018-2019



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) ERODE – 638107.
DEPARTMENT OF COSTUME DESIGN AND FASHION (PG)
M.Sc. CDF



(For the candidates admitted during the academic year 2017 – 2018 and onwards)

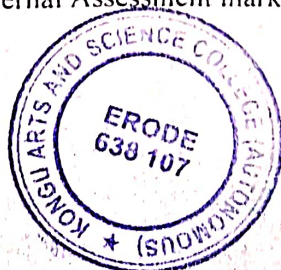
SCHEME OF EXAMINATION – CBCS PATTERN

| Course Code | Course Title | Inst. Hrs/ Week | T/P | Examination Details | | | | Credits |
|--|---|--------------------|-------------|----------------------|-----|-----|----------------|-----------|
| | | | | Duration in Hours | CIA | ESE | Total Marks | |
| SEMESTER I | | | | | | | | |
| 17PBGCT101 | Core Paper - I Fashion Merchandising | 6 | T | 3 | 25 | 75 | 100 | 4 |
| 17PBGCT102 | Core Paper - II Indian Textile Industry | 6 | T | 3 | 25 | 75 | 100 | 4 |
| 17PBGCP103 | Core Practical - I Fashion Illustration | 4 | P | 3 | 40 | 60 | 100 | 4 |
| 17PBGCP104 | Core Practical - II Draping for Fashion Design | 5 | P | 3 | 40 | 60 | 100 | 4 |
| 17PBGCP105 | Core Practical - III Design with Prints | 5 | P | 4 | 40 | 60 | 100 | 4 |
| 17PBGET106/ 17PBGET107/ 17PBGET108 | Elective Paper I | 4 | T T T | 3 | - | - | 100* | 4 |
| Total | | 30 | | - | - | - | 600 | 24 |
| SEMESTER II | | | | | | | | |
| 17PBGCT201 | Core Paper - III Research Methodology | 7 | T | 3 | 25 | 75 | 100 | 4 |
| 17PBGCT202 | Core Paper - IV Apparel Quality Standard and Implementation | 5 | T | 3 | 25 | 75 | 100 | 4 |
| 17PBGCT203 | Core Paper - V World Costumes | 5 | T | 3 | 25 | 75 | 100 | 4 |
| 17PBGCP204 | Core Practical - IV Digital Fashion Portfolios | 4 | P | 3 | 40 | 60 | 100 | 4 |
| 17PBGCP205 | Core Practical - V Advanced Apparel Construction | 5 | P | 4 | 40 | 60 | 100 | 4 |
| 17PBGEP206/ 17PBGET207/ 17PBGET208 | Elective Paper II | 4 | P T T | 3 | - | - | 100* | 4 |
| Total | | 30 | | - | - | - | 600 | 24 |

@ Students must undergo institutional training at the end of the first year (May – June) and the report of the same to be submitted.

Guidelines for Theory and Practical

*Includes 25/40% Continuous Internal Assessment marks for theory and practical papers respectively.



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| Course Code | Course Title | Inst. Hrs/ Week | T/P | Examination Details | | | | Credits |
|--|---|---------------------------|-------------|----------------------|-----|-----|----------------|-----------|
| | | | | Duration in Hours | CIA | ESE | Total Marks | |
| SEMESTER III | | | | | | | | |
| 17PBGCT301 | Core Paper - VI International Trade and Documentation | 5 | T | 3 | 25 | 75 | 100 | 4 |
| 17PBGCT302 | Core Paper - VII Technical Textiles | 5 | T | 3 | 25 | 75 | 100 | 4 |
| 17PBGCT303 | Core Paper - VIII Principles of Textile Testing | 4 | T | 3 | 25 | 75 | 100 | 4 |
| 17PBGCP304 | Core Practical - VI Principles of Textile Testing | 4 | P | 3 | 40 | 60 | 100 | 4 |
| 17PBGCP305 | Core Practical - VII Textile CAD | 4 | P | 3 | 40 | 60 | 100 | 4 |
| 17PBGCP306 | Core Practical - VIII Fashion Accessory Designing | 4 | P | 3 | 40 | 60 | 100 | 4 |
| 17PBGET307/ 17PBGET308/ 17PBGET309 | Elective Paper - III | 4 | T T T | 3 | - | - | 100* | 4 |
| 17PBGIT01 | 21 Days Internship in Garment Industry @ | Completed / Not Completed | | | | | | |
| Total | | 30 | | - | - | - | 700 | 28 |
| SEMESTER IV | | | | | | | | |
| 17PBGCT401 | Core Paper - IX Home Textiles | 4 | T | 3 | 25 | 75 | 100 | 4 |
| 17PBGCV402 | Project work and Viva Voce | # | | - | 40 | 160 | 200 | 6 |
| 17PBGEP403/ 17PBGET404/ 17PBGET405 | Elective Paper IV | 4 | P T T | 3 | - | - | 100* | 4 |
| Total | | 30 | | - | - | - | 400 | 14 |
| TOTAL | | - | | | | | 2300 | 90 |

CIA – CONTINUOUS INTERNAL ASSESMENT
ESE – END SEMESTER EXAMINATIONS

Guidelines for Theory and Practical

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Guidelines for Project work and Viva Voce

2 Hours / Candidate / Week

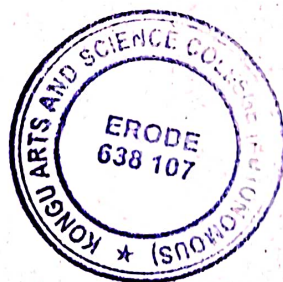



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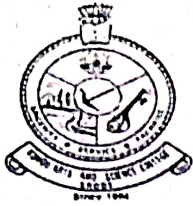
LIST OF ELECTIVE COURSES

Electives: List of group of Elective Courses (Students can choose any one of the group papers as Electives)

| Papers | Group A | Group B | Group C |
|-----------|---|--|--|
| Paper I | 17PBGET106 Fashion Event Management | 17PBGET107 Visual Merchandising | 17PBGET108 Textile Economics |
| Paper II | 17PBGEP206 Beauty Care Practical – I | 17PBGET207 Industrial Psychology | 17PBGET208 Textile Chemistry |
| Paper III | 17PBGET307 Business Organization and Office Management | 17PBGET308 Principles of Costing | 17PBGET309 Principles of Entrepreneurship |
| Paper IV | 17PBGEP403 Beauty Care Practical - II | 17PBGET404 Computer Application in Business | 17PBGET405 Fashion Retailing |




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ADVANCED LEARNERS COURSE

| S.No | COURSE CODE | COURSE |
|------|-------------|----------------------------------|
| 1 | 17PBGAL310 | (A) Fashion Photography |
| 2 | 17PBGAL311 | (B) Basics of Leather Technology |

Ms.S.Manjula
Chairperson

Board of Studies/CDF

Kongu Arts and Science College (Autonomous), Erode



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| Sem | Course Code | CORE PAPER - VII TECHNICAL TEXTILES | Total Marks : 100 | | Hours Per Week | Credits |
|-----|-------------|---|-------------------|----------|----------------------|---------|
| | | | CIA : 25 | ESE : 75 | 5 | 4 |
| III | 17PBGCT302 | | | | | |

OBJECTIVES:

- To enable the students to learn about various high performance fibres
- To impart knowledge on various categories of technical textiles
- To make them understand the potential of technical textile industry

COURSE OUTCOME:

On successful completion of the course, the students will be able to

- CO1 Categorize the various segments of technical textiles and understand the application of high performance fibers
- CO2 Distinguish the importance of various finishes applied to technical textiles
- CO3 Perceive knowledge on thermal behavior of fibers and types of geo textiles
- CO4 Explain the applications of medical textile and agro textiles
- CO5 Analyse the commercial applications of smart and intelligent textiles

UNIT- I

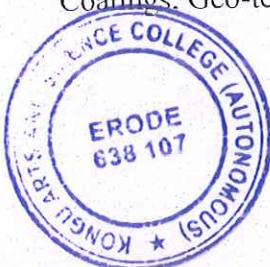
Introduction, definition and scope of technical textiles, Developments in fibres - Natural fibres, Polyamide, Polyester, Viscose rayon and Polyolefins; High performance fibres - Aramids, Carbon fibre, Glassfibres and Ceramic fibres. **Classification and Application of technical textiles in various fields.**


UNIT- II

Finishing of Technical textiles - Mechanical finishes - Calendering, Raising, Shearing, Compressive shrinkage and Heat setting; Chemical processes - Durable flame Retardant treatments, Water repellent finishes, Antistatic finishes and Antimicrobial finishes; Coatings-coating materials and coating techniques.

UNIT- III

Heat and flame protection - Thermal behaviour of fibres, Selection of fibres suitable for thermal and flame protection; Water proof breathable fabrics - Densely woven fabrics, Membranes and Coatings; Geo-textiles - types and functions.




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UNIT- IV

Medical textiles - Fibres used - commodity and speciality fibres; Non-implantable materials - Wound care and bandages; Extra corporeal devices; Implantable materials - Sutures, Soft tissue implants, Orthopaedic implants and cardiovascular implants; Healthcare and hygiene products.

Agro textiles - properties required and applications.

UNIT- V

Smart textiles - Classification-Active smart, Passive smart and Ultra smart textiles - Applications of smart textiles in various fields; Intelligent textiles - Phase Change Materials (PCM), Shape Memory Materials (SMM), Chromic and conductive materials and its applications.

TEXT BOOK:

- “Hand book of Technical Textiles”, A R Horrocks and S C Anand, Woodhead Publishing Ltd., England, (2000).

BOOKS FOR REFERENCE:

1. “An Introduction to Healthcare and Medical Textiles”, Wen Zhong, DE Stech Publications, Inc. (2013).
2. “Technical Textiles: Technology”, Developments and Applications, Dr.V.K.Kothari, IAFL Publications, New Delhi, (2008).
3. “Intelligent Textiles and Clothing”, H.Mattila, Woodhead Publishing Ltd., England, (2006).
4. “Smart Fibres, Fabrics and Clothing”, Xiaoming Tao, Woodhead Publishing Ltd., England (2002).
5. “High Performance Fibres”, J W S Hearle, Woodhead Publishing Ltd., England, (2001).

| QUESTION PAPER PATTERN | | |
|--|--|--|
| Section A | Section B | Section C |
| 10 x 1 = 10 Marks (Multiple choice, Four options) Two questions from each unit | 5 x 7 = 35 Marks (Either or choice) Two questions from each unit | 3 x 10 = 30 Marks Answer any three Questions One Question from each unit |



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| Sem | Course Code | CORE PAPER - VIII PRINCIPLES OF TEXTILE TESTING | Total Marks : 100 | | Hours Per Week | Credits |
|-----|-------------|---|-------------------|----------|----------------------|---------|
| | | | CIA : 25 | ESE : 75 | | |
| III | 17PBGCT303 | | | | 4 | 4 |

OBJECTIVES:

- To acquire knowledge of various physical properties of textiles
- To develop an understanding of utility of different physical testing equipment
- To develop an understanding of the principles involved in different testing methods of textiles

COURSE OUTCOME:

On successful completion of the course, the students will be able to

- CO1 Understand the importance of atmospheric conditions in textiles
- CO2 Analyze the results of fiber testing for specific end use or next process
- CO3 Assess the faulty material and take remedial measures to ensure the quality of yarns
- CO4 Intervene in product development and research
- CO5 Interpret colorfastness properties in textile products

UNIT – I

Introduction to testing, Terminologies of testing, Selection of samples for testing, Standard atmospheric conditions for testing, Measurement of moisture content and regain - Conditioning oven, Shirley moisture meter.

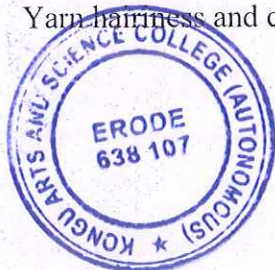
UNIT – II

Fiber testing: Cotton fiber length - Baer sorter, Fineness - Sheffield micrometre, Maturity - Caustic soda swelling, Strength - Stelometer, Determination of trash and lint in cotton - Shirley trash analyzer.

UNIT – III

Yarn testing: Yarn numbering system - Conversion of count from one system to another, Instruments for count determination - Quadrant balance and Beesley balance, Yarn strength testing - Principles of CRT, CRL, CRE - Single yarn strength tester and Lea strength tester, Twist Tester.

Yarn evenness - Classification of variation, Methods of measuring evenness - Black board with ASTM Standards, Uster evenness tester and its standards, Yarn irregularities, Uster Classimat, Yarn harness and crimp testing.



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UNIT – IV

Fabric testing: Fabric thickness, Fabric strength - Tensile strength tester, Tearing strength tester and Hydraulic bursting strength tester, Fabric abrasion - Martindale abrasion tester, Fabric pilling - ICI pill box tester, Fabric drape - Drapemeter, Fabric stiffness - Shirley stiffness tester, Fabric crease resistance.

UNIT- V

Fabric permeability - Shirley air permeability tester, Water permeability testing - Bundesmann tester, Measurement of **Water vapour permeability**; Colour fastness in textiles – Crocking, Perspiration, Sunlight, Laundering, Pressing and Dry cleaning aspects; Assessment of colour matching using Kawabata Evaluation System.

TEXT BOOK:

- “Textile Testing”, Angappan P and Gopalakrishnan R, SSM Institute of Technology, Komarapalayam (2002).

BOOKS FOR REFERENCE:

1. “Textile Testing”, Jewel Raul, APH Publishing Corporation, New Delhi (2005).
2. “Physical Testing of Textiles”, Saville B P, Wood Head Publishing Limited, Cambridge (2004).
3. “Textile Testing Fibre, Yarn and Fabric”, Dr. Arindam Basu, SITRA, Coimbatore (2001).
4. “Handbook of Textile Testing and Quality Control”, Elliot B Grover and Hamby D S, Willey Eastern Limited, New Delhi (1988).
5. “Principles of Textile Testing”, Booth J E, Newnes Butterworths, London (1976).

| QUESTION PAPER PATTERN | | |
|--|--|--|
| Section A | Section B | Section C |
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| Sem | Course Code | ELECTIVE PAPER – III (B) PRINCIPLES OF COSTING | Total Marks : 100 | | Hours Per Week | Credits |
|-----|-------------|--|-------------------|----------|----------------------|---------|
| | | | CIA : 25 | ESE : 75 | | |
| III | 17PBGET308 | | | | 4 | 4 |

OBJECTIVES:

- To enable the students to imbibe the fundamentals of cost accounting
- To enable the students to learn the basics of inventory management
- To enable the students to apply basic costing procedures in labour management

COURSE OUTCOME:

On successful completion of the course, the students will be able to

- CO1 Interpret cost accounting statements
- CO2 Develop and evaluate information for cost stock control
- CO3 Calculate and account for various labour cost
- CO4 Prepare a budget of factory overheads cost
- CO5 Examine the basic concepts to determine product cost in different process

UNIT - I

Cost Accounting: Meaning, Definition, Objectives, Advantages and limitations of Cost Accounting -Differences between Cost Accounting and Financial Accounting - Cost Centre and Cost Unit - Elements of Cost - Cost Classifications - **Preparation of Cost Sheet.**

UNIT - II

Material Cost: Proper Purchase Procedure, Fixation of Stock Levels, Practical Problems on Fixation of Stock Levels, ABC Analysis, Stores Ledger Account, Methods of Pricing of Material Issues (FIFO and LIFO only).

UNIT - III

Labour Cost: Meanings of Time Keeping, Time Booking, Idle Time and Labour Turnover. Methods of Wage Payments -Time Rate System, Piece Rate System; Incentive Plans - Halsey Plan, Rowan Plan and Taylor's Differential Piece Rate System and Practical Problems on above methods.

UNIT - IV

Overhead Costs: Definition of Overheads, Importance of Overhead, Classifications of Overheads, Determination of Overhead rate, Practical Problems on Machine Hour Rate.



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UNIT - V

Reconciliation- **cost and financial accounts** – meaning, need reasons for differences- methods.

NOTE:

Distribution of marks: Theory 60% and Problems 40%

TEXT BOOK:

- "Cost Accounting" S.P.Jain and KL. Narang, , Kalyani Publishers, New Delhi (2011) .

BOOKS FOR REFERENCE:

1. "Cost Accounting", Dr. M. Wilson, Himalaya Publishing House, New Delhi (2014).
2. "Cost Accounting Principles and Practice" S.P.Iyyangar, Sultan Chand, New Delhi (2005).
3. "Cost Accounting", R.S.N. Pillai and V. Bagavathi, Sultan Chand and Company Ltd., New Delhi (2004).
4. "Practical Costing", Khanna B.S, Pandey.I.M., Aherija G.K and M.N. Arora, Sultan Chand and Company Ltd., New Delhi (2004).

| QUESTION PAPER PATTERN | | |
|--|--|--|
| Section A | Section B | Section C |
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| Sem | Course Code | ELECTIVE PAPER – IV (A) BEAUTY CARE PRACTICAL - II | Total Marks : 100 | | Hours Per Week | Credits |
|-----|-------------|--|-------------------|----------|----------------------|---------|
| | | | CIA : 40 | ESE : 60 | | |
| IV | 17PBGEP403 | | | | 4 | 4 |

OBJECTIVES:

- To enrich the skills in beauty care treatments
- To impart the details of make - up technique
- To provide training in hair colouring and mehendi applications

COURSE OUTCOME:

On successful completion of the course, the students will be able to

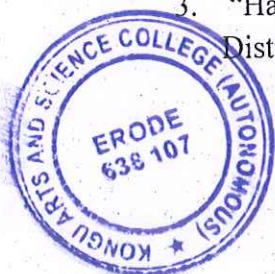
- CO1 Apply advanced skin care services catering to the specific problems related to skin and hair
- CO2 Demonstrate advanced hair care services
- CO3 Develop and practice cosmetology skills in makeup applications
- CO4 Build a career in the beauty industry
- CO5 Demonstrate customer service skills, self-growth and personality development

LIST OF EXPERIMENTS:

1. Pimple treatment
2. Dark circles treatment
3. Pigmentation treatment
4. Bridal make up
5. Dandruff treatment
6. Hair colouring
7. Mehendi application

BOOKS FOR REFERENCE:

1. "Practical Guide to Beautician Training", Patwary M , Asian Publishers, New Delhi (2002).
2. "Body and Beauty Care", Khanna N, Pustak Mahal, New Delhi (2002).
3. "Hair, Skin and Beauty Care, The Complete Body Book", Kochhar.B , UBS Publishers Distributors Limited, Chennai (2000).



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