**BHARATHIAR UNIVERSITY: COIMBATORE 641046**

**B.Sc. Apparel Production Technology (CBCS PATTERN)**

(*For the students admitted from the academic year* ***2022-2023*** *and onwards*)

**Scheme of Examination**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Code** | **Title of the Course** | **Hours/ Week** | **Examination** | | | | **Credits** |
| **Duration in Hours** | **Maximum Marks** | | |
| **CIA** | **ESE** | **Total** |
|  | **Semester I** | | | | | | |
| I | Language I | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English I | 6 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper I - Basic Textiles | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper II - Apparel  Manufacturing Technology | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper III - Practical I - Yarn  and Fabric Analysis Practical | 4 | 3 | 25 | 25 | 50 | 2 |
| III | Allied Paper I - Fabric  Manufacturing Technology | 4 | 3 | 50 | 50 | 100 | 4 |
| IV | Environmental Studies | 2 | 3 | - | 50 | 50 | 2 |
| **Total** | | **30** | **-** | **275** | **325** | **600** | **24** |
|  | **Semester II** | | | | | | |
| I | Language II | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English II | 4 | 3 | 25 | 25 | 50 # | 2 |
|  | Naan Mudhalvan Skill Course - Language Proficiency for employability- Effective English | 2 | - | 25 | 25 | 50 $ | 2 |
|  | <http://kb.naanmudhalvan.in/Special:Filepath/Cambridge_Course_Details.pdf> |  |  |  |  |  |  |
| III | Core Paper IV – Garment  Machines and Equipments | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper V - Practical II - Pattern  Making Practical | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper VI - Practical III -  Garment Construction I – Practical | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Allied Paper II - Textile  Chemical Processing | 4 | 3 | 50 | 50 | 100 | 4 |
| IV | Value Education – Human Rights | 2 | 3 | - | 50 | 50 | 2 |
| **Total** | | **30** | **-** | **260** | **340** | **600** | **24** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Semester III** | | | | | | |
| I | Language III | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English III | 6 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper VII – Industrial Engineering – I | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper VIII - Practical IV - Garment Construction II – Practical | 5 | 3 | 30 | 45 | 75 | 3 |
| III | Allied Paper III - Apparel Quality Control and Quality Assurance | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Skill based Subject I – Garment Accessories and Trims | 3 | 3 | 30 | 45 | 75 | 3 |
| IV | Basic Tamil\*\* / Advanced Tamil (OR) Non-major elective - I (Yoga for Human Excellence) / Women’s Rights\* | 2 | 3 | - | 50 | 50 | 2 |
|  | Naan Mudhalvan Skill Course - Digital Skills for Employability | - | - | 25 | 75 | 100 | 2 |
| **Total** | | **30** | **-** | **265** | **410** | **675** | **25** |
|  | **Semester IV** | | | | | | |
| I | Language IV | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English IV | 6 | 3 | 50 | 50 | 100 | 4 |
|  | Naan Mudhalvan Skill Course – Digital skills for employability-Office Fundamentals | 2 | - | 25 | 25 | 50 $ | 2 |
|  | <http://kb.naanmudhalvan.in/Special:Filepath/Microsoft_Course_Details.xlsx> |  |  |  |  |  |  |
| III | Core Paper IX -  Industrial Engineering - II | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper X - Mini Project – I and viva voce ## | 3 | - | 25 | 25 | 50 | 2 |
| III | Allied Paper IV -  Human Resource Management | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Skill based Subject II - Production Planning, Control and Inventory Management | 3 | 3 | 30 | 45 | 75 | 3 |
| IV | Basic Tamil\*\*/Advanced Tamil (OR) Non-major elective -II (General Awareness) \* | 2 | 3 | - | 50 | 50 | 2 |
| **Total** | | **30** | **-** | **260** | **340** | **600** | **24** |
|  | **Semester V** | | | | | | |
| III | Core Paper XI –  Industrial Engineering - III | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper XII – QMS in Apparel Production | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper XIII -  Practical V – Computer Applications Practical | 5 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper XIV - Mini Project II and viva voce ## | 10 | - | 60 | 90 | 150 | 6 |
| III | Elective Paper I | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Skill based Subject III –  Behavioral Intervention Skills | 3 | 3 | 30 | 45 | 75 | 3 |
|  | Naan Mudhalvan Skill Course - Marketing and Design Tool | - | - | 25 | 75 | 100 | 2 |
| **Grand Total** | | **30** | **-** | **295** | **405** | **700** | **26** |
|  | **Semester VI** | | | | | | |
| III | Core Paper XV – Project Work and Viva Voce ## | 19 | - | 100 | 100 | 200 | 8 |
| III | Elective Paper II | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Elective Paper III | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Skill based Subject IV – Lean six sigma | 3 | 3 | 30 | 45 | 75 | 3 |
| V | Extension Activities \*\* | - | - | 50 | - | 50 | 2 |
|  | Naan Mudhalvan Skill Course :Employability Readiness- Naandi / Unmati/ Quest / Izapy / IBM Skill Build |  |  |  |  |  |  |
|  | **Total** | **30** | **-** | **280** | **245** | **525** | **21** |
|  | **Grand Total** | **180** | **-** | **-** | **-** | **3700** | **144** |

**CIA** – Continuous Internal Assessment

**CEE** – Comprehensive External Examination

\* No Continuous Internal Assessment (CIA). Only University Examinations.

\*\* No University Examinations. Only Continuous Internal Assessment (CIA).

# English II- University semester examination will be conducted for 50 marks (As per existing pattern of Examination) and it will be converted for 25 marks.

$ Naan Mudhalvan – Skill courses- external 25 marks will be assessed by Industry and internal will be offered by respective course teacher.

## Mark Division for Internship and Project

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Paper title** | **Total Marks** | **CIA** | **CEE** | |
| **Evaluation** | **Viva-Voce** |
| Core Paper X - Mini Project – I and Viva Voce ## | 100 | 50 | 30 | 20 |
| Core Paper XIV - Mini Project II and Viva Voce ## | 150 | 60 | 60 | 30 |
| Core Paper XV – Project Work and Viva Voce ## | 200 | 100 | 60 | 40 |

**Additional Credit Course**

Prescribed courses under UGC – SWAYAM/ MOOCS/ NPTEL will be available for the affiliated colleges, as an optional.

|  |  |  |
| --- | --- | --- |
| List of Elective papers (Colleges can choose any one of the papers as electives) | | |
| Elective – I | A | Technology advancements in apparel production |
| B | ERP in Apparel Industry |
| C | TQM in Apparel Industry |
| Elective – II | A | Entrepreneurship |
| B | Leadership & Emotional Intelligence |
| C | Interpersonal Skills |
| Elective - III | A | Training & Development |
| B | Factory Compliance |
| C | Value Stream Mapping |

**Add on courses-Additional Credit Course**

Naan Mudhalvan Skill courses

Students are encouraged to register through the website [www.naanmudhalvan.tn.gov.in](http://www.naanmudhalvan.tn.gov.in)

and take up the courses to enhance their skills

Prescribed courses under UGC – SWAYAM/ MOOCS/ NPTEL will be available for the affiliated colleges, as an optional.