

**DR. DHARMAMBAL GOVERNMENT
POLYTECHNIC COLLEGE FOR WOMEN
THARAMANI, CHENNAI-600 113**



**DIPLOMA IN
GARMENT TECHNOLOGY**

**SYLLABUS
G SCHEME**

IMPLEMENTED FROM 2022-2023

Dr. DHARMAMBAL GOVERNMENT POLYTECHNIC COLLEGE FOR WOMEN

THARAMANI CHENNAI-600 113

Discipline wise task force meeting held on: 07/01/2022

Time: 10.00AM

Internal and External Members Present:

SL.NO.	NAME & ADDRESS OF THE EXPERT	NAME OF THE INSTITUTION
INTERNAL MEMBERS		
1	Dr.P.Kurinchi HOD/Computer Engg Institution Curriculum Co-ordinator	Dr. Dharmambal Government Polytechnic College for Women Chennai-113
2	A Rajalakshmi Physical Director Dept Of Physical Education – Curriculum Co-ordinator	Dr. Dharmambal Government Polytechnic College for Women Chennai-113
3	Dr. R. Kanakarajammal HOD/ Garment Technology	Dr. Dharmambal Government Polytechnic College for Women Chennai-113
4	B.Yuvarani Full Time Temporary Lecturer Department of Garment Technology	Dr. Dharmambal Government Polytechnic College for Women Chennai-113 CHENNAI-113
5	A.Abinaya Full Time Temporary Lecturer Department of Garment Technology	Dr. Dharmambal Government Polytechnic College for Women Chennai-113
6	Gayathri Ramesh Part Time Temporary Lecturer Department of Garment Technology	Dr. Dharmambal Government Polytechnic College for Women Chennai-113
EXTERNAL MEMBERS		
1	Dr.V.R.Giridev Prof& Head Department of Textile Technology Anna University, Chennai-25	Anna University, Chennai-25
2	Dr.A.R.Saravanan Lecturer(Selection Grade) Institute Of Textile Technology Chennai-113	Institute of Textile Technology Chennai-113
3	Peetamber Kinger Krishna Creations Mount Road,Chennai-02	Krishna Creations Mount Road,Chennai-02
4	A.Preethi (Alumni) Lecturer (Consolidated) Institute of Textile Technology Chennai-113	Institute of Textile Technology Chennai-113

Dr. DHARMAMBAL GOVERNMENT POLYTECHNIC COLLEGE FOR WOMEN
THARAMANI CHENNAI-600 113

Apex Body meeting held on: 13/04/2022

Time: 10.00AM

Internal and External Members Present:

SL NO	NAME & ADDRESS OF THE EXPERT	NAME OF THE INSTITUTION
INTERNAL MEMBERS		
1	Dr. R. Kanakarajammal HOD Department of Garment Technology	Dr. Dharmambal Government Polytechnic College For Women Chennai-113
2	B. Yuvarani Full Time Temporary Lecturer Department of Garment Technology	Dr. Dharmambal Government Polytechnic College For Women Chennai-113
3	A. Abinaya Full Time Temporary Lecturer Department of Garment Technology	Dr. Dharmambal Government Polytechnic College For Women Chennai-113
4	Gayathri Ramesh Part Time Temporary Lecturer Department of Garment Technology	Dr. Dharmambal Government Polytechnic College For Women Chennai-113
EXTERNAL MEMBERS		
1	Dr. R. Loganathan Professor-Textile Technology Jaya Engineering College Thirunindravur-602024	Jaya Engineering College Thirunindravur -602024
2	Mr. L. Nagarajan Associate Professor & Head (Textile Technology) Jaya Engineering College Thirunindravur -602024	Jaya Engineering College Thirunindravur -602024
3	R. Dhanalakshmi Apparel Training & Design Centre Guindy	Apparel Training & Design Centre ATDC-Guindy
4	A. Iswarya (Alumni) Lecturer (Consolidated) Institute of Textile Technology Chennai-113	Institute of Textile Technology Chennai-113

DR. DHARMAMBAL GOVERNMENT POLYTECHNIC COLLEGE FOR WOMEN

THARAMANI, CHENNAI-113.

(An Autonomous Institution)

(Implemented from 2022 –2023)

G –SCHEME

RULES & REGULATIONS

(APPLICABLE TO THE THREE YEARS REGULAR DIPLOMA PROGRAMME IN ENGINEERING/COMMERCIAL PRACTICE, 3½ YEARS SANDWICH DIPLOMA PROGRAMME IN ARCHITECTURAL ASSISTANTSHIP AND ONE YEAR DIPLOMA PROGRAMME IN COSMETOLOGY)

(For the batches of students admitted during 2022-2023 and subsequently)

INTRODUCTION:

Dr. Dharmambal Government Polytechnic College for Women, Chennai-113, was established in 1962. As many as 10(ten) diploma programmes are offered in this Polytechnic College. Semester system is followed during the entire course of study.

1. Description of the Course:

a. Full Time (3 years)

The Course for the Full Time Diploma in Engineering shall extend over a period of three academic years, consisting of 6 semesters* and the First Year is common to all Engineering Branches except commercial Practice.

b. Sandwich (3½ years)

The Course for the Sandwich Diploma in Engineering shall extend over a period of three and half academic years, consisting of 7 semesters*. The Architecture department subjects are starting from First Year onwards.

During 7th semester the students undergo industrial training for six months.

Industrial training examination will be conducted after completion of 7th semester.

c. Full Time (1 Year)

The Course for the one year Full Time Diploma in Cosmetology shall extend over a period of one academic year, consisting of 2 semester*. The department subjects are starting from First Year onwards.

*** Each Semester will have 16 weeks duration of study with 35 hrs. / Week for Regular Diploma Courses.**

The Curriculum for all the 6 Semesters of Diploma courses (for three years Regular Diploma Programme in Engineering / Commercial Practice , 3½ years sandwich Diploma Programme in Architectural Assistantship and one year Diploma Programme in Cosmetology) have been revised and revised curriculum is applicable for the candidates admitted from 2022 – 2023 academic year onwards.

2. Condition for Admission:

Condition for admission to the Diploma courses shall be required to have passed in the S.S.L.C Examination of the Board of Secondary Education, Tamil Nadu.

(Or)

The Anglo Indian High School Examination with eligibility for Higher Secondary Course in Tamil Nadu.

(Or)

The Matriculation Examination of Tamil Nadu.

(Or)

Any other Examinations recognized as equivalent to the above by the Board of Secondary Education, Tamil Nadu.

Note: In addition, at the time of admission the candidate will have to satisfy certain minimum requirements, which may be prescribed from time to time.

3. Admission to Second year (Lateral Entry):

A pass in HSC (academic) or (vocational) courses mentioned in the Higher Secondary Schools in Tamil Nadu affiliated to the Tamil Nadu Higher Secondary Board with eligibility for University Courses of study or equivalent examination & Should have studied the following subjects.

A pass in 2 Years ITI with appropriate Trade or Equivalent examination.

Sl. No	Courses	H. Sc Academic	H. Sc Vocational		Industrial Training Institutes Courses
		Subjects Studied	Subjects Studied		
			Related Subjects	Vocational Subjects	
1.	All the Regular andSandwich Diploma Courses	Physics and Chemistry as compulsory along with Mathematics / Biology	Maths / Physics / Chemistry	Related Vocational Subjects Theory & Practical	2 years course to bepassed with appropriate Trade
2.	Diploma Course in Commercial Practice	English & Accountancy English & Elements of Economics	English & Accountancy, English & Elements of Economics,	Accountancy & Auditing,. Banking Business Management,	
		English & Elements of Commerce	English & Management Principles & Techniques, English & Typewriting	Co-operative Management, International Trade, Marketing & Salesmanship, Insurance & Material Management, Office Secretary ship	
	Sandwich DiplomaCourses	On par with Council of architecture norms			

- For the Diploma Courses related with Engineering / Technology, the related / equivalent subjects prescribed along with Practicals may also be taken for arriving the eligibility.
- Branch will be allotted according to merit through counseling by the respective Principal as per communal reservation.
- For admission to the Commercial Practice Diploma course, the candidates studied the related subjects will be given first preference.
- Candidates who have studied Commerce Subjects are not eligible for Engineering Diploma Courses.
- Cosmetology Diploma Course minimum requirement for eligibility to admit is Higher Secondary pass whereas S.S.L.C is not eligible.

4. Age Limit : No Age limit.

5. Medium of Instruction : English

6. BRANCHES OF STUDY:

Candidates may be offered at the time of admission, one of the following branches of study.

S.no	BRANCHES	TYPE OF DIPLOMA PROGRAMME
1	Architectural Assistantship	Sandwich
2	Civil Engineering	Regular
3	Computer Engineering	Regular
4	Electronics & Communication Engineering	Regular
5	Environmental Engineering	Regular
6	Interior Decoration	Regular
7	Instrumentation & Control Engineering	Regular
8	Garment Technology	Regular
9	Commercial Practice	Regular
10	Cosmetology	Regular(one year)

7. Eligibility for the Award of Diploma:

No candidate shall be eligible for the award of Diploma unless he/she has undergone the prescribed course of study for a period of not less than 3 academic years in any institution affiliated to the State Board of Technical Education and Training, Tamil Nadu, when joined in First Year and two years if joined under Lateral Entry scheme in the second year and passed the prescribed examination.

The minimum and maximum period for completion of Diploma Courses are as given below:

Diploma Course	Minimum Period	Maximum Period
Full Time (Three year)	3 Years	6 Years
Full Time (Lateral Entry)	2 Years	5 Years
Sandwich	3½ Years	6½ Years
Full Time (One year)	1 Year	2 Year

This will come into effect from G Scheme onwards i.e. from the academic Year 2022-2023

7. Subjects of Study and Curriculum outline:

The subjects of study shall be in accordance with the syllabus prescribed from time to time, both in theory and practical subjects.

The curriculum outline is given in Annexure - I.

9. Examinations:

Autonomous Examinations in all subjects of all the semesters under the scheme of examinations will be conducted at the end of each semester.

The internal assessment marks for all the subjects will be awarded on the basis of continuous internal assessment earned during the semester concerned. For each subject 25 marks are allotted for internal assessment. Autonomous Examinations are conducted for 75 marks.

The total marks for result are $75 + 25 = 100$ Marks.

10. Continuous Internal Assessment:

A. For Theory Subjects:

The Internal Assessment marks for a total of 25 marks, which are to be distributed as follows:

i) Subject Attendance 5 Marks

(Award of marks for subject attendance to each subject Theory/Practical will be as per the range given below)

80%	-	83%	1 Mark
84%	-	87%	2 Marks
88%	-	91%	3 Marks
92%	-	95%	4 Marks
96%	-	100%	5 Marks

ii) Test # 10 Marks

Two Tests: Test – I and Test – II each of 2 hours duration for a total of 50 marks are to be conducted. Average of these two test marks will be taken and the marks to be reduced to **5 Marks**

Test – III is the Model Examination covering all the five units and the marks obtained will be reduced to **5 Marks**

TEST	UNITS	WHEN TO CONDUCT	MARKS	DURATION
Test I	Unit – I & II	End of 6 th week	50	2 Hrs
Test II	Unit – III & IV	End of 12 th week	50	2 Hrs
Test III	Model Examination: Covering all the 5 Units. (Autonomous Examination question paper - pattern).	End of 16 th week	75	3 Hrs

From the Academic Year 2022 – 2023 onwards.

Question Paper Pattern for the Test - I and Test – II is as follows. The tests should be conducted by proper schedule. Retest marks should not be considered for internal assessment.

TEST MARK ALLOCATION

Without Choice:

Part A Type questions:	3 Questions × 5 mark	15 Marks
Part B Type questions:	5 Questions × 7 marks	35 Marks
	Total	50 Marks

iii) Assignment 5 Marks

For each subject Three Assignments are to be given each for 20 marks and the average marks scored should be reduced for 5 marks.

iv) Seminar Presentation 5 Marks

The students have to select the topics either from their subjects or general subjects which will help to improve their grasping capacity as well as their capacity to express the subject in hand. The students will be allowed to prepare the material for the given topic using the library hour and they will be permitted to present seminar (For First and Second Year, the students will be permitted to present the seminar as a group not exceeding six members and each member of the group should participate in the presentation. For the Third Year, the students should present the seminar individually. The seminar presentation is mandatory for all theory subjects and carries 5 marks for each theory subject. The respective subject faculty may suggest topics to the students and will evaluate the submitted materials and seminar presentation. (2 ½ marks for the material submitted in writing and 2 ½ marks for the seminar presentation). For each subject minimum of two seminars are to be given and the average marks scored should be reduced to 5 marks.

All Test Papers, Assignment Papers / Notebooks and the seminar presentation written material after getting the signature with date from the students must be kept in safe custody in the department for verification and audit. It should be preserved for one semester after publication of Autonomous Exam results and produced to the flying squad and the inspection team at the time of inspection/verification.

B. For Practical Subjects:

The Internal Assessment mark for a total of 25 marks which are to be distributed as follows:-

a	Attendance	: 5 Marks (Award of marks same as theory subjects)
b	Procedure observation and tabulation/ Other Practical related Work	: 10 Marks
c	Record writing	: 10 Marks
	TOTAL	25 Marks

- All the Experiments/Exercises indicated in the syllabus should be completed and the same to be given for final examinations.
- The observation note book / manual should be maintained for 10 marks. The observation note book / manual with sketches, circuits, programme, reading and calculation written by the students manually depends upon the practical subject during practical classes should be evaluated properly during the practical class hours with date.
- The Record work for every completed exercise should be submitted in the subsequent practical classes and marks should be awarded for 10 marks for each exercise as per the above allocation.
- At the end of the Semester, the average marks of all the exercises should be calculated for 20 marks (including Observation and Record writing) and the marks awarded for attendance is to be added to arrive at the internal assessment mark for Practical. (20+5=25 marks).
- Only regular students, appearing first time have to submit the duly signed bonafide record note book/file during the Practical Autonomous Examinations.

All the marks awarded for Assignments, Tests, Seminar presentation and Attendance should be entered periodically in the Personal Theory Log Book of the staff, who is handling the theory subject. The marks awarded for Observation, Record work and Attendance should be entered periodically in the Personal Practical Log Book of the staff, who is handling the practical subject.

11. Communication Skill Practical, Computer Application Practical and Physical Education:

The Communication Skill Practical and Computer Application Practical with more emphasis are being introduced in First Year. Much stress is given to increase the Communication skill and ICT skill of students.

As per the recommendation of MHRD and under Fit India Scheme, the Physical Education (two Hours) is introduced to encourage students to remain healthy and fit by including physical activities and sports. Two hours are allotted to all I year students as physical activities and sports.

12. Attendance:

Minimum attendance of 80% is prescribed for each courses of study (includes lecture hours, tutorial hours, assignment and test hours). Students falling to get 80% attendance will not be allowed to appear for the examination under any circumstances. However, a candidate who has secured attendance between 70% to 79% in the current semester due to medical reasons(hospitalization / accident / specific illness) or due to participation in College / District / State / National / International level sports events with prior permission from the Principal shall be given exemption from the prescribed attendance requirements and he / she shall be permitted to appear for the current semester examinations, if her progress has been satisfactory and her conduct has been satisfactory.

Candidates who do not qualify to appear for final examinations of any semester from second to sixth for want of attendance and / or progress must get readmitted at the immediate available opportunity and redo that semester courses. Candidates who do not qualify to appear for the final examinations of first semester have to discontinue the programme.

13. Entrepreneurship and Startup:

In V Semester Entrepreneurship and Startup subject is mandatory and common subject for all the departments except Cosmetology department. The total marks for this subject is 75 marks.

TEST MARK ALLOCATION

Theory	35 Marks
Part A Type questions: 10 Questions × 2 marks	20 Marks
Part B Type questions: 3 Questions × 5 marks(Either or Pattern)	15 Marks
Practical	30 Marks
Submission on Business Plan / Feasibility Report or Report on Unit IV & V	30 Marks
Viva Vioce	10 Marks
Total	75 Marks

Internal Assessment Mark

Assignment (Unit I & II)	- 10
Seminar (Unit III)	- 10
Attendance	- 5
Total	- 25

14. Project Work and Internship:(except sandwich 31/2 years and one year programme)

The students of all the Diploma Courses have to do a Project Work as part of the Curriculum and in partial fulfillment for the award of Diploma by the State Board of Technical Education and Training, Tamil Nadu. In order to encourage students to do worthwhile and innovative projects, every year prizes are awarded for the best three projects i.e. institution wise, region wise and state wise. **The Project work must be reviewed twice in the same semester. The project work is approved during the V semester by the properly constituted committee with guidelines.**

a) Internal assessment mark for Project Work & Internship:

Project Review I	: 10 marks
Project Review II	: 10 marks
Attendance	: 05 marks (Award of marks same as theory subject pattern)
Total	: 25 marks

Proper record should be maintained for the two Project Reviews and preserved for one semester after the publication of Autonomous Exams results. It should be produced to the flying squad and the inspection team at the time of inspection/verification.

b) Allocation of Marks for Project Work & Internship in End Examinations:

Demonstration/Presentation	: 20 marks
Report	: 20 marks
Viva Voce	: 15 marks
Internship Report	: 20 marks
Total	: 75 marks

c) Internship Report:

The internship training for a period of two weeks shall be undergone by every candidate (except Diploma in Cosmetology) at the end of IV / V semester during vacation. The certificate shall be produced along with the internship report for evaluation. The evaluation of internship training shall be done along with final year “Project Work & Internship” for 20 marks. The internship shall be undertaken in any industry / Government or Private certified agencies which are in social sector / Govt. Skill Centres / Institutions / Schemes.

A neatly prepared PROJECT REPORT as per the format has to be submitted by individual student during the Project Work & Internship Autonomous examination.

Diploma in Cosmetology students should undergo internship training for a period of two weeks at the end of I / II Semester vacation. The certificate shall be produced and no mark for internship training.

15. Scheme of Examination:

The Scheme of Examination for subjects are given in Annexure II

16. Criteria for Pass:

1. No candidate shall be eligible for the award of Diploma unless he/she has undergone the prescribed course of study successfully in an institution approved by AICTE and affiliated to the State Board of Technical Education & Training, Tamil Nadu and pass all the subjects prescribed in the curriculum.
2. A candidate shall be declared to have passed the examination in a subject if he / she secures not less than 40% in theory subjects and 50% in practical subjects out of the total prescribed maximum marks including both the Internal Assessment and the Autonomous Examinations marks put together, subject to the condition that he / she secures at least a minimum of 30 marks out of 75 marks in the Autonomous End Theory / Drawing / Shorthand / Typewriting Examinations and a minimum of 35 marks out of 75 marks in the Autonomous End Practical Examinations.

17. Classification of successful candidates:

Classification of candidates who will pass out the final examinations from April 2025 onwards (Joined first year in 2022 -2023) will be done as specified below.

First Class with Superlative Distinction:

A candidate will be declared to have passed in **First Class with Superlative Distinction** if he / she secures not less than 75% of the marks in all the subjects and passes all the semesters in the first appearance itself and passes all subjects within the stipulated period of study 2 / 3 / 3½ years [Full time / Full Time (Lateral Entry) / Sandwich] without any break in study.

First Class with Distinction:

A candidate will be declared to have passed in **First Class with Distinction** if he / she secures not less than 75% of the aggregate marks in all the semesters put together and passes all the semesters except the I and II semester in the first appearance itself and passes all subjects within the stipulated period of study 2 / 3 / 3½ years [Full time / Full Time (Lateral Entry) / Sandwich] without any break in study.

First Class:

A candidate will be declared to have passed in **First Class** if he / she secures not less than 60% of the aggregate marks in all the semesters put together and passes all the subjects within the stipulated period of study 2 / 3 / 3½ years [Full time / Full Time (Lateral Entry) / Sandwich without any break in study.

Second Class:

All other successful candidates will be declared to have passed in **Second Class** who are all pass out in Autonomous End Examination from April 2025 / October 2025 onwards which is applicable for all regular and sandwich students.

18. Duration of a period in the Class Time Table:

The duration of each period of instruction is 1 hour and the total period of instruction hours excluding interval and lunch break in a day should be uniformly maintained as 7 hours corresponding to 7 periods of instruction (Theory & Practical).

DIPLOMA IN GARMENT TECHNOLOGY
(WITH EFFECT FROM 2022 - 2023)
G - SCHEME
CURRICULUM AND SCHEME OF EXAMINATION
TOTAL CURRICULUM HOURS PER WEEK: 35
ANNEXURE - I
SEMESTER - III

S. NO	SUBJECT CODE	SUBJECT	HOURS PER WEEK			
			THEORY HOURS	TUTORIAL/DRAWING	PRACTICAL HOURS	TOTAL HOURS
1	GTG301	Fibre Science and Yarn Production	5	-	-	5
2	GTG302	Fashion Designing	5	-	-	5
3	GTG303	Apparel Designing	5	-	-	5
4	GTG371	Fashion Designing(P)	-	-	4	4
5	GTG372	Apparel Designing(P)	-	-	5	5
6	GTG373	Fashion Accessories(P)	-	-	4	4
7	GTG374	Embroidery–I (P)	-	-	4	4
Extra/Co-Curricular Activities		Physical Education	-	-	2	2
		Library	-	-	1	1
TOTAL			15	-	20	35

SEMESTER - IV

S. NO	SUBJECT CODE	SUBJECT	HOURS PER WEEK			
			THEORY HOURS	TUTORIAL/ DRAWING	PRACTICAL HOURS	TOTAL HOURS
1	GTG401	Fabric Manufacture	5	-	-	5
2	GTG402	Home Textiles	5	-	-	5
3	GTG403	Clothing Machinery and Equipment	5	-	-	5
4	GTG404	Pattern Drafting and Construction -I	5	-	-	5
5	GTG471	Home Textiles (P)	-	-	4	4
6	GTG472	Garment Construction- I (P)	-	-	4	4
7	GTG473	Embroidery-II (P)	-	-	4	4
Extra /Co-Curricular Activities		Physical Education	-	-	2	2
		Library	-	-	1	1
TOTAL			20	-	15	35

SEMESTER – V

S.NO	SUBJECT CODE	SUBJECT	HOURS PER WEEK			
			THEORY HOURS	TUTORIAL/ DRAWING	PRACTICAL HOURS	TOTAL HOURS
1	GTG501	Chemical Processing and Testing of Textiles	5	-	-	5
2	GTG502	Pattern Drafting and Construction -II	5	-	-	5
	Elective I					
3.1	GTG503	Sketching and Draping	5	-	-	5
3.2	GTG504	Artificial Jewellery Making				
4	GTG571	Chemical Processing and Testing Of Textiles(P)	-	-	5	5
5	GTG572	Garment Construction – II (P)	-	-	4	4
Elective I Practical						
6.1	GTG573	Sketching and Draping (P)	-	-	4	4
6.2	GTG574	Artificial Jewellery Making (P)				
7	GTG575	Entrepreneurship and Start-Ups (P)	-	-	4	4
Extra / Co-Curricular Activities		Physical Education		-	2	2
		Library		-	1	1
TOTAL			15	-	20	35

SEMESTER – VI

S. NO	SUBJECT CODE	SUBJECT	HOURS PER WEEK			
			THEORY HOURS	TUTORIAL/ DRAWING	PRACTICAL HOURS	TOTAL HOURS
1	GTG601	Textile Management	5	-	-	5
2	GTG602	Apparel Quality Control	5	-	-	5
	Elective II					
3.1	GTG603	Apparel Merchandising	5	-	-	5
3.2	GTG604	Interior Décor Designing				
4	GTG605	Pattern Drafting and Construction –III	5	-	-	5
5	GTG671	Garment Construction –III (P)	-	-	4	4
6	GTG672	Garment CAD (P)	-	-	4	4
7	GTG673	Project Work and Internship (P)	-	-	4	4
Extra/Co-Curricular Activities		Physical Education	-	-	2	2
		Library	-	-	1	1
TOTAL			20	-	15	35

DIPLOMA IN GARMENT TECHNOLOGY
SCHEME OF EXAMINATION
III SEMESTER

SL NO	COURSE CODE	COURSE NAME	HRS PER WEEK	EXAMINATION				
				EXAM DURATION	INT.MARKS (A)	EXAM.MARKS (B)	MAX.MARKS (A+B)	MIN.FOR PASS
1	GTG301	Fibre Science and Yarn Production	5	3	25	75	100	40
2	GTG302	Fashion Designing	5	3	25	75	100	40
3	GTG303	Apparel Designing	5	3	25	75	100	40
4	GTG371	Fashion Designing(P)	4	3	25	75	100	50
5	GTG372	Apparel Designing(P)	5	3	25	75	100	50
6	GTG373	Fashion Accessories(P)	4	3	25	75	100	50
7	GTG374	Embroidery-I (P)	4	3	25	75	100	50

SCHEME OF EXAMINATION
IV SEMESTER

SL NO	COURSE CODE	COURSE NAME	HRS PER WEEK	EXAMINATION				
				EXAM DURATION	INT.MARKS (A)	EXAM.MARKS (B)	MAX MARKS (A+B)	MIN FOR PASS
1	GTG401	Fabric Manufacture	5	3	25	75	100	40
2	GTG402	Home Textiles	5	3	25	75	100	40
3	GTG403	Clothing Machinery and Equipment	5	3	25	75	100	40
4	GTG404	Pattern Drafting and Construction -I	5	3	25	75	100	40
5	GTG471	Home Textiles (P)	4	3	25	75	100	50
6	GTG472	Garment Construction- I (P)	4	3	25	75	100	50
7	GTG473	Embroidery-II (P)	4	3	25	75	100	50

SCHEME OF EXAMINATION

V SEMESTER

SL NO	COURSE CODE	COURSE NAME	HRS PER WEEK	EXAMINATION				
				EXAM DURATION	INT.MARKS (A)	EXAM.MARKS (B)	MAX MARKS (A+B)	MIN FOR PASS
1	GTG501	Chemical Processing and Testing of Textiles	5	3	25	75	100	40
2	GTG502	Pattern Drafting and Construction -II	5	3	25	75	100	40
3.1	GTG503	Elective-I Sketching and Draping	5	3	25	75	100	40
3.2	GTG504	Artificial Jewellery Making	5	3	25	75	100	40
4	GTG571	Chemical Processing and Testing of Textiles (P)	5	3	25	75	100	50
5	GTG572	Garment Construction – II (P)	4	3	25	75	100	50
6.1	GTG573	Elective-I (P) Sketching and Draping (P)	4	3	25	75	100	50
6.2	GTG574	Artificial Jewellery Making (P)	4	3	25	75	100	50
7	GTG 575	Entrepreneurship and Start-Ups (P)	4	3	25	75	100	50

SCHEME OF EXAMINATION

VI SEMESTER

SL NO	COURSE CODE	COURSE NAME	HRS PER WEEK	EXAMINATION				
				EXAM DURATION	INT. MARKS (A)	EXAM. MARKS (B)	MAX MARKS (A+B)	MIN FOR PASS
1	GTG601	Textile Management	5	3	25	75	100	40
2	GTG602	Apparel Quality Control	5	3	25	75	100	40
3.1	GTG603	Apparel Merchandising	5	3	25	75	100	40
3.2	GTG604	Interior Décor Designing	5	3	25	75	100	40
4	GTG605	Pattern Drafting and Construction –III	5	3	25	75	100	40
5	GTG671	Garment Construction –III (P)	4	3	25	75	100	50
6	GTG672	Garment CAD (P)	4	3	25	75	100	50
7	GTG 673	Project Work and Internship (P)	4	3	25	75	100	50

QUESTION PAPER PATTERN

QUESTION PAPER PATTERN

COURSE CODE:

TIME: 3 HRS

COURSE NAME:

MAX MARKS: 75

PART - A (5*3=15)

Answer any FIVE, from the following Questions.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

PART - B (5*12=60)

Answer all Questions choosing any one sub divisions from each question.

9. A
OR
B
10. A
OR
B
11. A
OR
B
12. A
OR
B
13. A
OR
B

III SEMESTER

Dr. Dharmambal Government Polytechnic College For Women

Tharamani Chennai-600 113

DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 301

Semester : III Semester

Subject Title : Fibre Science and Yarn Production

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours/ Week	Hours/ Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 301 Fibre Science and Yarn Production	5	80	25	75	100	3 Hrs

Topics and Allocation of Hours:

Unit	Topics	Hours
I	Natural Fibres	15
II	Man Made Fibres (MMF)	15
III	Yarn Manufacturing Process	15
IV	Post Spinning and Man-Made Filaments Processing	14
V	Commercial Yarns	14
	Revision Test	07
Total		80

OBJECTIVES:

At the end of the study of III Semester the student will be able to

- Understand the classification & importance of Textile fibres.
- Acquire knowledge on properties and uses of Natural, Man-made, Synthetic fibres.
- Understand the properties & uses of specialty fibres.
- Study the manufacturing processes of Viscose Rayon, Polyester and Nylon 6
- Know the production sequence of Combed & Carded yarns.
- Gain knowledge on the latest spun yarn production systems. o Understand the Post spinning process sequence.
- Learn about Texturisation, its types and manufacturing.
- Understand the types, properties and uses of fancy.

GTG 301 FIBRE SCIENCE AND YARN PRODUCTION

UNIT	NAME OF TOPICS	HOURS
I	NATURAL FIBRES Textile Fibres – Definition – Classification – Important properties of an ideal Textile Fibre. Identification of Textile Fibres - Burning test, Solvent test and Microscopic appearance (Cotton, Silk, Wool, Polyester, Nylon and Acrylic). Cotton fibres – Content – Indian varieties - Properties – uses. Properties of Linen, Flax and Jute fibres. Silk Fibre – Varieties - Degumming of silk – Weighting of silk - Properties - Uses. Wool fibre – Varieties based on fleece – Properties and uses – Comparison between Worsted yarn and Woollen yarn.	15
II	MAN MADE FIBRES Produced forms of manmade fibres (MMF) – Flow chart of MMF production - Wet, Melt and Dry spinning system. Viscose rayon – Manufacturing flow chart - Properties and uses. Properties of Lyocell, Modal, Banana and Bamboo. Polyester fibre (PET) – Manufacturing flow chart - Properties and uses. Nylon 6-6 fibre – Manufacturing flow chart – Properties and uses. Filament yarn and Staple fibre manufacturing process. Brief study of Nano (Micro) fibres.	15
III	YARN MANUFACTURING PROCESS Object of Ginning - Objects of Mixing and Blending - Sequence of processes involved in Carded and Combed yarn manufacturing - Objects of blow room, carding, drawing, comber, simplex & ring frame - Differences between carded and combed yarn. Brief study of open end spinning - Differences between ring yarn and OE yarn - Brief study of Compact, Friction, Vortex and Air-jet spun yarn production system.	15
IV	POST SPINNING AND MAN-MADE FILAMENTS Objects of Doubling - Passage of material in Ring doubling machine. Objects of Two for One Twister - Passage of material in Two for One Twister (TFO). Reeling – Objects – Passage of material in 7 lea reeling machine. Brief study of Bundling & Baling processes. Texturisation - Definition – Objects – Study of texturing of yarn by Draw Texturisation and Air Texturisation methods.	14
V	COMMERCIAL YARNS Definition of – Slub yarns – Fibre / Color injected yarns – Boucle yarn – Gimp yarn – Spot and Knot yarns – Loop or Curl yarn – Grandrelle yarns – Spiral or Cork screw yarns – Chenille yarn – Covered yarn – Core yarn – Neppy yarn – mélange yarns- Elastomeric yarns – Metallic yarns (No method of production details). Sewing threads – Manufacturing flow chart for cotton and spun polyester sewing thread manufacture, 2 ply & 3 ply yarns. Embroidery threads –Viscose Rayon and Trilobal polyester thread – Properties.	14

TEXT BOOKS:

Title	Authors	Publishers	Year
A Text book of Fibre science and Technology	S.P.Mishra	New Age International Pvt. Ltd, Delhi- 110002	2005
Yarn Preparation	Sengupta	The Textile Institute, Manchester, UK	1970
Textiles Fibre to Fabric	Corbman	McGraw-Hill international editions, Singapore	1983
Textile Science	E.P.G.Gohl, L.D.Vilensky	CBS Publishers & Distributers, Delhi.	1990
Man-Made fibres	William Moncrieff	Butter worth & Co. Ltd., London	1975

REFERENCES:

Title	Authors	Publishers	Year
Manual of cotton Spinning	Shirley. C	The Textile Institute, Manchester, UK	1965
Practical guide to opening & Carding	Klein.W	The Textile Institute, Manchester, UK	1987
Open End Spinning	Rohlena	Elsevier Scientific Publishing Co.,	1974
Handbook of Textile fibres Vol I & IINatural Fibres	J.Gardon Cook	Wood Head Publishing Ltd	2005
Spinning of Manmades and Blends on Cotton	Salhotra K R	Textile Association(India), Mumbai	1989

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DIPLOMA IN GARMENTTECHNOLOGY

G-SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 302

Semester : III Semester

Subject Title : Fashion Designing

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours /Week	Hours /Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 302 Fashion Designing	5	80	25	75	100	3Hrs

Topics and Allocation of Hours

Unit	Topics	Hours
I	Elements & Principles Of Design	15
II	Color Aspects	15
III	Design Development	15
IV	Wardrobe Planning	14
V	Fashion Industry	14
	Revision Test	7
Total		80

OBJECTIVES:

At the end of the study of III Semester the student will be able to

- Understand the elements and principles of fashion design
- Study the tools & equipment used in sketching.
- Learn about the colour theory.
- Learn about the colour scheme.
- Understand the procedure for making proper color schemes.
- Know how to prepare different kinds of board preparation
- Study about various patterns and to develop designs
- Analyze wardrobe planning & lifestyle
- Develop designs for various seasons
- Understand the systems of fashion industry
- Learn steps involved in fashion forecasting

GTG 302 FASHION DESIGNING

UNIT	NAME OF TOPICS	HOURS
I	ELEMENTS & PRINCIPLES OF DESIGN Terminology in fashion – Fashion cycle – Elements of designs - Different types of lines on dresses - Illusion created by Lines - Different types of dress Shapes - Different types of Texture on dresses - Color - Light and Shade effects on dresses. Principles of Design - Unity on dress - Proportion on dress - Balance on dress - Emphasis on dress - Rhythm on dress. Objects of Radiation and Gradation on dress. Equipments for sketching - different types of pencils, markers, brushes, papers.	15
II	COLOR ASPECTS Introduction to colour theory - Pigment colour theory – Primary, Secondary, Intermediate and Tertiary colours in pigment theory – Study of 12 colour wheel. Study of Colour dimensions - Hue, Value, Intensity, and Tints & Shades - Warm and Cool colours. Study of Colour Scheme - Related colour scheme - Mono chromatic, Neutral, Analogous Contrast colour scheme - Simple contrast, Double contrast, Split, Triad - Psychology of colour on dress – color harmony -Application of colour on different seasons – Munsel theory of color.	15

III	DESIGN DEVELOPMENT Design development – Motif – Definition – Types of motifs – Development of motifs – Motifs on the fabrics – Steps in design development – Sources of Inspirations – Design development through natural sources. Study of Pattern in fabrics - Naturalistic abstract - Conventional – Geometric - Animate - Abstract - floral design – Half drop design & Reverse half drop design. Study of Structural and Decorative Design - Different types of Structural design on dress - Different types of decorative design on dress - Characteristics of good decorative design.	15
IV	WARDROBE PLANNING Theories of clothing - Classification of clothing - Detail of wardrobe - Study of Wardrobe plan - Factors affecting wardrobe planning - Economic factors - Social factors. Factors influencing personality - Preexisting wardrobe analysis - Wardrobe plans for Teen age and middle age people - Dress for occasions - Dress for seasons. Purchase planning - Selection of materials. Formal wear, Casual wear, Leisure wear and Accessories.	14
V	FASHION INDUSTRY Development of Mood board, Fabric board & Portfolio. Work of Fashion Director - Work of Fashion Designer – Well known fashion designer of India, USA, UK, and France - Fashion capitals - Fashion shows and its importance – Procedure to conduct fashion show – Importance of Fashion magazines – Importance of Fashion forecasting and steps involved in forecasting.	14

TEXT BOOKS:

Title	Author	Publisher	Year
Illustrating Fashion	Kathryn McKelvey & Janine Munslow	Blackwell Publishing	2005
Fashion Design Process, Innovation & Practice	Kathryn McKelvey & Janine Munslow	Blackwell Publishing	2003
Art in everyday life	Goldstein and Goldstein	-do-	
Elements of Design & Apparel Design	Sumathi.G.J	New Age International, Delhi	2002

REFERENCES:

Title	Authors	Publishers	Year
The Psychology of dress	Frank Alvah	Double day Page & Co.	1982
The arts of costume & Personal appearance	Grace Margarit Morton	John wiley&Sons London.	1985
How you look and dress	Byrta Carson	Mcgraw - Hill Book co.London.	1981
Fabrics and dress	Ruthtone and Tarplay	Houghton Mifflin London	1981
Elementry Costume design	Harisonfeather	John Wiley and Sons Stone Dorothy	1983
Dress Designing	H.F.Kepworth	The English Univ. Press Ltd., London	1981
Individuality and Cloths	Margaret story	Funle&Wsanalls Lippioncott.	1985
Essential of Design	Degrmo Winslow	Macillion Co. New York.	1986
Men's wardrobe	Thames and Hudson	London	1996
Art & Fashion	Dr.AliceMackrell	Batsford Publication	2005

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DIPLOMA IN GARMENT TECHNOLOGY
G -SCHEME
(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 303

Semester : III Semester

Subject Title : Apparel Designing

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 303 Apparel Designing	5	80	25	75	100	3 Hrs

Topics and Allocation of Hours:

Unit	Topics	Hours
I	Basics of Apparel Design	15
II	Pattern Layout	15
III	Seam, Seam finishes & Plackets	15
IV	Yoke, Collars & Sleeves	14
V	Cuffs, Pockets & Fullness	14
	Revision Test	7
Total		80

OBJECTIVES:

- At the end of the study of III Semester the student will be able to
- Understand the importance of Human Anatomy.
- Understand the types of figures.
- Learn the basics of Measurements and Garment construction.
- Learn different types of layout, Marker and Marker efficiency.
- Learn different types of Seams.
- Understand the types of Plackets.
- Understand the types of Yokes.
- Study the selection of Collars and Neckline finishes.
- Know about Sleeves and its types.
- Learn different types of Pockets.
- Understand the types of Darts, Pleats and Tucks.
- Understand the types of Gathers Shirrs, Flares and Frills.

GTG 303 APPAREL DESIGNING

UNIT	NAME OF TOPICS	HOURS
I	BASICS OF APPAREL DESIGN Eight head theory and its importance in apparel manufacturing – Relative length and girth measurement - Garment Construction Tools & Equipment – Measuring, Marking, Cutting, Pressing and General tools. Measurements – Importance - Procedure for taking measurements and Various body measurements for Kid's, Lady's & Gent's. Pattern – Definition and importance - Types - merits and demerits of patterns. Types of Figure – Proportionate, Corpulent figure, Semi corpulent figure, Stooping figure – Erect figure. Common irregularities of male – Slope shoulder – Square shoulder - Bow leg – Knock knee.	15
II	PATTERN LAYOUT Fabric grains – types of grain and its importance. Principles in pattern making – Pattern layout and its importance – Principles in pattern layout – Different types fabric folding for layout – Special types of Layout – Procedure for economical layout- Insufficient fabric layout – Marsden layout for bulk production and its importance –Type of Lays – Lay length and marker – Marker efficacy – Lay efficiency.	15
III	SEAMS, SEAM FINISHES & PLACKETS Seams – Definition- Different types of seams- Plain, French, Welt seam, Top stitch seam. Seam finishes- Piped, crossed, Bound and Pinked. Hems – definition – Types of hems – Slip, Catch stitch, Invisible, Herring bone. Plackets & Openings – definition- characteristics of good plackets – One piece, Two pieces, Tailored and Zipper plackets.	15
IV	YOKE, COLLARS & SLEEVES Yoke – definition- selection of yoke design. Different types of yokes (Partial, Midriff, and Yoke with fullness). Collars – Types of collar like Shirt, Stand, Ruffle, Roll, Shawl, Peter pan, Square. Neck line types and Neck line finishes. Sleeves – types of sleeves such as Plain, Puff, Bell, Circular, Leg-O-mutton, Magyar, and Raglan sleeves.	14
V	CUFFS, POCKETS & FULLNESS Types of cuffs - Round, Gauntlet and pointed. Pockets - Different types of pockets such as Patch, Welt, front Hip and Set in pocket. Fullness – definition - Single and double pointed darts - Relocation of dart by slash and spread method - Types of tucks like pin tuck, cross tuck, piped tuck, shell tuck and its importance - Types of pleats like Knife pleat, Box pleat, Kick pleat, Cartridge pleat, Pinch pleat and its importance - Gathers and Frills.	14

TEXT BOOKS:

Title	Author	Publisher	Year
Practical clothing construction Part I& II	Mary Mathews	Bhattarans Reprographics (P) Ltd., Chennai.	1974
The Art of Sewing	Anna Jacob Thomas	UBS Publisher, Delhi	2001
Practical dress Design	Enwin, M.D.	The MacMillan Comp., New York.	1982

REFERENCES:

Title	Author	Publisher	Year
Complete guide to Sewing	Reader's digest sewing guide	The reader's digest Association, Inc. New York.	1976

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 371

Semester : III Semester

Subject Title : Fashion Designing Practical

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 371 Fashion Designing Practical	4	64	25	75	100	3 Hrs

GTG 371 FASHION DESIGNING PRACTICAL

LIST OF EXPERIEMENTS

1. Draw Male and Female Figures Using Eight Head Theory.
2. Draw Basic Garment Shapes- Pleats, Collars Etc.
3. Prepare 12 Colour Wheel Charts.
4. Prepare Chart For Tint and Shade.
5. Prepare Colour Board For Mono Chromatic Colour Scheme.
6. Prepare Colour Board For Analogous Colour Scheme.
7. Prepare Colour Board For Complimentary Colour Scheme.
8. Prepare Colour Board For Simple Contrast Colour Scheme.
9. Prepare Colour Board For Split Contrast Colour Scheme.
10. Prepare Colour Board For Warm and Cool Colours.
11. Design a Garment For Men Based on Your Own Taste.
12. Design a Garment For Women Based on Your Own Taste.

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Experiment 50marks

Write up 20marks

Viva 05marks

Total 75Marks

OBJECTIVES OF THE EXPERIMENTS:

1. HUMAN ANATOMY

- To draw male and female figure using Eight head theory.

2. APPAREL DESIGNING

- To design and draw Basic garment shapes, pleats, collars.

3. COLOUR

- To draw 12 colour wheel.
- To draw Colour board for related colour scheme.
- To draw Colour board for contrasting colour scheme.
- To draw Warm and Cool clours.

4. STYLE DRAWING

- To draw Garment for men based on your own taste.
- To draw Garment for women based on your own taste.

LIST OF EQUIPMENT

- Drawing table - 30 No

MATERIALS REQUIRED :

- Chart paper- A4/ A3 size- 30 Numbers / experiment / batch of 30 students
- Drawing tools & colouring tools- 30 Numbers /experiment / batch of 30 students

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 372

Semester : III Semester

Subject Title : Apparel Designing Practical

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 372 Apparel Designing Practical	5	80	25	75	100	3Hrs

GTG 372 APPAREL DESIGNING PRACTICAL

LIST OF EXPERIMENTS

1. Construct different types of Seams (any three).
2. Construct different types of Hems (any three).
3. Construct different types of Plackets (any three).
4. Construct different types of Pockets (any three).
5. Prepare patterns and Construct any two sleeves.
6. Prepare patterns and Construct Shirt collar.
7. Prepare patterns and Construct Peter pan collar.
8. Construct different types of Darts.
9. Construct Knife, Box, Cartridge and Pinch pleats.
10. Construct different types of Tucks (any three).
11. Construct different types of Frills and Gathers.
12. Construct different types of Neck Line Finishes (any two).

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Experiment	50 marks
Write up	20 marks
Viva	05 marks
Total	75 Marks

OBJECTIVES OF THE EXPERIMENTS:

Seams, Seam finishes & Hems

- To Construct Seams – Plain, French, Welt seam- Top stitch seam,
- To Construct seam finishes- Piped, crossed, Bound, Pinked
- To Construct Hems– Slip, Catch stitch, Invisible, Herring bone.

Plackets & Pockets

- To Construct Plackets– One piece, two piece, Tailored, Zipper.
- To Construct Pockets– Patch, Welt, Bound, front Hip and Pocket in seam pockets.

Sleeves

- To prepare patterns and Construct Plain sleeve.
- To prepare patterns and Construct Puff sleeve
- To prepare patterns and Construct Bell sleeve.

Collars

- To prepare patterns and Construct Shirt collar.
- To prepare patterns and Construct Peter pan collar.
- To prepare patterns and Construct Shawl collar.

Darts, Pleats and Tucks

- To Construct different types of Darts.
- To Construct Knife, Box, Cartridge and Pinch pleats.
- To Construct Tucks— pin tuck, cross tuck, piped tuck, shell tuck.

Frills, Gathers & Neck line finishes

- To construct different types of Frills and Gathers.
- To construct Neck Line Finishes— facings and bindings.

LIST OF EQUIPMENT

Equipment required:

- Measuring tools
- Pattern making tools
- Construction tools
- General tools
- Sewing machines: - Lock stitch- 15 m/cs.
Over lock- 1 m/c
Flat lock- 1 m/c
Buttonhole- 1 m/c
Button stitch- 1 m/c

Materials required:

- 3 to 5 meters of fabric/ experiment / batch of 30 students.
- Sewing threads: white and assorted – 30 nos.

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 373

Semester : III Semester

Subject Title : Fashion Accessories Practical

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 373 Fashion Accessories Practical	4	64	25	75	100	3 Hrs

GTG 373 FASHION ACCESSORIES PRACTICAL

LIST OF EXPERIMENTS

1. Draw and design any three types of Handbag.
2. Draw and design any two types of Hat.
3. Draw and design Decorative bow and formal bow.
4. Draw and design Belt for boy and girl.
5. Draw and design any three types of Footwear.
6. Draw and design any two types of Purse and pouches.
7. Draw and design any two types of Hair band and head bands.
8. Draw and design any two types of Watches.
9. Prepare Earrings using silk thread.
10. Prepare Bangles using silk thread
11. Prepare Kundan jewellery.
12. Prepare Earrings using quilling work.

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Experiment 50marks

Write up 20marks

Viva 05marks

Total 75Marks

OBJECTIVES OF THE EXPERIMENTS:

- To provide opportunity for skill development in designing accessories.
- To impart knowledge on fashion accessories and creativity.
- To provide knowledge on Foot wear, Handbags & Purse.
- To understand types of Hat.
- To gain knowledge about watch designs.

LIST OF EQUIPMENT

- Drawing table : 30 Numbers

MATERIALS REQUIRED :

- Chart paper- A4 / A3 size : 30 Numbers / experiment / batch of 30 students
- Drawing tools & colouring tools : 30 Numbers / experiment / batch of 30 students
- Earring metal
- Bangle metal
- Silk thread
- Kundan material
- Quilling papers

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DIPLOMA IN GARMENT TECHNOLOGY
G -SCHEME
(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 374

Semester : III Semester

Subject Title : Embroidery –I Practical

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 374 Embroidery- I Practical	4	64	25	75	100	3 Hrs

GTG 374 Embroidery- I Practical

LIST OF EXPERIMENTS:

1. Prepare Embroidery Design using Running Stitch & Double running stitch.
2. Prepare Embroidery Design using Stem Stitch & Back stitch.
3. Prepare Embroidery Design using Chain Stitch/Magic chain stitch.
4. Prepare Embroidery Design using Lazy Daisy Stitch and its types.
5. Prepare Embroidery Design using Buttonhole Stitch.
6. Prepare Embroidery Design using Blanket Stitch.
7. Prepare Embroidery Design using Fly Stitch or Feather stitch.
8. Prepare Embroidery Design using Fish-Bone/Herring bone.
9. Prepare Embroidery Design using French knot/bullion knot stitch.
10. Prepare Embroidery Design using Ladder stitch.
11. Prepare Embroidery Design using Satin Stitch.
12. Prepare Embroidery Design using Zardoshi and stone work.

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Experiment	50marks
Write up	20marks
Viva	05marks
Total	75Marks

OBJECTIVES OF THE EXPERIMENTS: HAND EMBROIDERY

- To practice Running & Double running stitches.
- To practice Stem & Back stitches.
- To practice Chain Stitch & its variations.
- To practice Lazy Daisy Stitch.
- To practice Button hole Stitch.
- To practice Blanket stitch.
- To practice Fly Stitch.
- To practice Fish-Bone & herring bone stitches.
- To practice Feather.
- To practice Knot.
- To practice Satin Stitch
- To practice Zardoshi work and Stone work.

LIST OF EQUIPMENT

1. Hand / Machine embroidery tools & machineries:-

- Embroidery frame- 30Numbers.
- Hand needles- 30Numbers.
- Tracing wheel& Tracing Table - 30Numbers.
- Thimbles- 30Numbers.

2. Materials required:

- 3 meter fabric/ experiment/ batch of 30students
- 1 meter Non-woven or Sponge sheet / experiment / batch of 30 students
- 10 sheets of tracing paper/ experiment /batch of 30 students
- Embroidery threads- 30 skeins of assorted colors/ experiment / batch of 30 students.

IV SEMESTER

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DIPLOMA IN GARMENT TECHNOLOGY

G-SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 401

Semester : IV Semester

Subject Title : Fabric Manufacture

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours/ Week	Hours/ Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 401 Fabric Manufacture	5	80	25	75	100	3 Hrs

Topics and Allocation of Hours:

Unit	Topics	Hours
I	Weaving Preparatory Process	15
II	Woven Fabric Formation	15
III	Knitted Fabric Formation	15
IV	Fabric Structures	14
V	Non-Woven and Special Fabrics	14
	Revision Test	07
Total		80

OBJECTIVES:

At the end of the study of IV Semester the student will be able to

- Study about the preparatory processes in weaving.
- Learn the different types of knotting equipment, Splicing and Autoconer.
- Know the primary and secondary motions of plain loom.
- Understand the features of different types of shuttle less looms.
- Understand the basic terminology & elements in knitting
- Know the basic principles & working of plain weft knitting machines.
- Know and analyze the different types of woven structure.
- Understand the defects in woven fabric.
- Know and analyze the different types of knit structure.
- Have knowledge on Non-Woven, special fabrics and its applications.

GTE 401 FABRIC MANUFACTURE

UNIT	NAME OF TOPICS	HOURS
I	Weaving Preparatory Process : Sequence of processes involved in Weaving preparatory with objectives winding, warping, sizing - Passage of material in Auto coner- Features of Auto coner - Functions of Tensioners, Slub catchers, Electronic Clearers and Splicer – Comparison between Knotting and Splicing – Advantages of splicing. Passage of material in Beam warping - Object of Sectional Warping and its salient features - Passage of material in Sizing machine.	15
II	Woven Fabric Formation Looms – Types - Object of Drawing-in and Denting - Passage of Warp in a conventional Plain loom – Objects of Primary, Secondary & Auxiliary motions in a Plain loom - Features of Tappet, Dobby, Jacquard looms – Features of Automatic Shuttle Loom – Shuttleless looms Classification (Flexible Rapier, Projectile, Air jet and Water jet) and its advantages – Brief study of weft insertion techniques in shuttle less looms - Defects in Woven fabrics – Warp way defects – Weft way defects – Selvedge defects and Stains.	15
III	Knitted Fabric Formation Knitting – Definition, Classification – Uses- Comparison between knitting and weaving - Important Knitting terms - Course, Wales, Texture, Gauge, Loop length, Loop density, Face loop, Back loop- Knitting elements - Needles (Latch, Beard and Compound), Sinker, Cam- Passage of material in a Circular plain Weft knitting machine - Knitting cycle of Latch needle in plain weft knitting machine- Uses of Double Jersey, Flat and Warp knitted fabrics. Defects in Weft knit fabrics - Vertical lines, Horizontal lines, Drop stitches, Distorted stitches and Press off - Comparison between woven and knitted fabrics.	15
IV	Fabric Structures Woven Structures: Definition of Design, Draft, Peg plan – Design, Draft & Peg plan for Plain weave – 4x4 Matt weave – 2/1, 3/1 Twill weave – 5 end Satin weave and Sateen weave – End uses of above fabrics. Knit Structures: Knit, Tuck and Miss Stitches – Drawing of Graphical and Needle (Diagrammatic) notation of single jersey Plain, Purl and Rib. Drawing of Needle (Diagrammatic) notation of Interlock and Lacoste fabrics.	14
V	Non-Woven and Special Fabrics Non-Woven fabrics – definition - uses - classification of Non-Woven Fabrics. Web Formation Techniques – Staple Fibre Webs – Wet laid webs, Dry laid webs, Parallel, Cross and Random laid webs – Continuous Filament webs – Spun laid webs and Melt blown webs. Non-Woven Fabric Formations Techniques – Adhesive bonding, Thermal Bonding, Needle punching and bonding of spun laid webs. Definition of Intelligent fabric, Smart fabric, Lace fabrics and Braided fabrics. Notes on Medical Textiles, Agricultural Textiles and Geo Textiles.	14

TEXT BOOKS:

Title	Authors	Publishers	Year
Principles of weaving	R Marks ATC Robinson	The Textile Institute, Manchester, UK	1976
The Motivate Series	Andrea Wynne	MacMillan Education Ltd, London and Basingstoke	1997
Cotton Yarn Weaving	Kanungo R.N	Textile Association India, Ahmedabad	1980
Weaving machines, Mechanisms	M K Talukdar P K Sriramulu	Mahajan Publications Pvt Ltd, Ahmadabad-9	1998
Modern Weaving Technology	J K Arora	Abhisek Publications, Chandigarh- 17	2008
Principles of Knitting	D B Ajgaonkar	Universal Publishing Corporation	1988
Knitting Technology	David J Spencer	Pergamon Press Oxford	1988

REFERENCES:

Title	Authors	Publishers	Year
Warp Knitting	D G B Thomas	Merro Pub. Co. ISA Buld. UK	1976
Textile Fibre to Fabric	Bernard P. Corbman	Bernard P. Corbman	1983
Yarns and Technical Textiles	K.P.Chellamani	SITRA, Coimbatore	1999
High speed Weaving	Jeyachandran.K	P.S.G.Tech,Coimbatore.	1990

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DIPLOMA IN GARMENT TECHNOLOGY

G-SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 402

Semester : IV Semester

Subject Title : Home Textiles

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours /Week	Hours /Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 402 Home Textiles	5	80	25	75	100	3Hrs.

Topics and Allocation of Hours:

Unit	Topics	Hours
I	Wall & Floor Coverings	15
II	Living Room Furnishing	15
III	Bath Linens & Kitchen Linens	15
IV	Packing & Care Labeling	14
V	Care Of Home Textiles	14
	Revision Test	7
Total		80

OBJECTIVES:

At the end of the study of IV Semester the student will be able to

- Study about domestic and International needs.
- Understand the Various types of Floor & Wall coverings.
- Know about the Furniture coverings.
- Understand the quality parameters of the products.
- Know the types of Kitchen & bath articles.
- Have knowledge of decorating things.
- Understand the packing materials and procedures.
- Learn about types of Care labeling and its contents.
- Study the various components of cost.
- Understand the cost calculations of various products.

GTG 402 HOME TEXTILES

UNIT	NAME OF TOPICS	HOURS
I	WALL & FLOOR COVERINGS Home textiles- Definition - Domestic and international market needs - India's home textile exports – Classification - fabrics. Wall coverings: - Draperies & Curtains - Plain, with Loop, Loop with Button, Tier curtain, valance, window panel, Tab top curtain, Eyelid, Rod Pocket Panel (RPP). Floor coverings - Mats, Carpets & Rugs - Different types of surface, appearance and Texture used in Floor coverings.	15
II	LIVING ROOM FURNISHING Chair Linen: - Chair Pad, Chair Cushion, Chair cover, Seat pad (Sutton), Arm cap. Cushions: - Sofa cover, Automobile Seat Cover. Upholstery: - Types - Sofa cover, Automobile Seat Cover. Bed Linen: - Bed Spread, Duvet, Flat sheet, Fitted sheet, Pillow Shan, Quilt, Bed ruffle. Classification of Mattresses and pillows, Comforters and Blankets.	15
III	BATH LINENS & KITCHEN LINENS Bath Linen: - Shower curtains, Bath rope, Bath Towel, Pool / Beach Towel, Bath Mat, Bath Sheet – Shower curtain – Day night curtain. Kitchen articles: - Apron, Mitten, Pot Holders, Kitchen Towel, Bread basket, Tea cozy - Table cloth, Napkin, Mat, Runner – Covers for Fridge, Mixi and Grinder.	15
IV	PACKING & CARE LABELING Folding and Packing- importance- materials used- specification- folding machines used- Types of Folding and Packing. Care labeling - Washing, Bleaching, Drying, Ironing and Dry Cleaning Instructions - Placement of labels on Home textiles - Consumer care guide to home textiles - Practices in storage of house hold linen - Pressing and Airing – Storing.	14
V	CARE OF HOME TEXTILES Water -Methods of softening water at Home and in the industry. Soaps and Detergents - Manufacture of soaps and Detergents, Accessing washing efficiency of soaps and detergents. Cleaning & Drying-Vacuum cleaning of Rugs and carpets, Washing of curtains, draperies, bed linens and kitchen linen - Drying and pressing. Washing- Kneading and squeezing suction washing. Stain removal- Identification of stain, general procedure for stains Removal, Bleaches for stain removal.	14

TEXT BOOKS:

Title	Author	Publisher	Year
Textiles – Fibre to Fabric	P.Corbaman	TATA Mcgraw Hill	1983
Textile fabrics and their Selection	Isabel.B.Wingate	Prentice Hall – Englewood Cliffs, New Jersey	1976
Easy bazaar crafts	Gerald.M.Knox	Meredith Corporation	1990
Furniture Upholstery	Michal Scofield Sudha Irwin Holly Lyman Antolini	Lane Publishing Co. Monlo Park, California	1980
The Complete Home Decorator	Conran’s habitat	Caroline Clifton – Mogg Portland House, New York	1991
Fashion Apparel Accessories & Home Furnishing	Jay Diamond & Ellen Diamond	Dorling Kindrsley Ind. Pvt. Ltd., New Delhi-110092	2008

REFERENCES:

Title	Author	Publisher	Year
ASTM Standards related to stitches and seams	Robert.F.Allen	ASTM, 100 Barr Harbour drive West Conshohocken	1998
Hand woven carpets oriental and European	A.F.Kendrick	Dover Publicaions,INC, New York	1973

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DIPLOMA IN GARMENT TECHNOLOGY

G-SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 403

Semester : IV Semester

Subject Title : Clothing Machinery and Equipment

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours /Week	Hours /Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 403 Clothing Machinery and Equipment	5	80	25	75	100	3HRS

Topics and Allocation of Hours

Unit	Topics	Hours
I	Basic Mechanical Engineering	15
II	Basic Sewing machines	15
III	Special machines	15
IV	Attachments and cutting machines	14
V	Finishing machines and Maintenance	14
	Revision Test	7
Total		80

OBJECTIVES:

At the end of the study of IV Semester the student will be able to

- Understand the functions of belts, gears, cams, clutch and bearings.
- Learn the various system of lubrication.
- Understand the basics of dc motor.
- Understand the functions of lock stitch, over lock and zig zag sewing machines.
- Learn the various defects in sewing.
- Learn about the Threading procedure of special machines.
- Understand the functions of special sewing machines.
- Learn the functions of guides and attachments.
- Understand the functions of finishing machines.
- Learn the maintenance of sewing and other machines.

GTG 403 CLOTHING MACHINERY AND EQUIPMENT

UNIT	NAME OF TOPICS	HOURS
I	BASIC MECHANICAL ENGINEERING Transmission of Motion and Power: Types of belt drives and its advantages. Gear drive – Classification of Gear drives and its advantages. (Spur, Bevel, Helical and Worm Gear) Cams – definition – Types of Cams. Clutch – Functions of clutch – Principle and working of single plate friction Clutch with diagram. Brakes – Principle & working of Hydraulic Brake with diagram. Bearings – Type and importance. Lubrications – Purpose – types such as Liquid, Semi-liquid & Solid. Lubrication Systems – Gravity circulation System, Pressure circulating systems with diagram.	15
II	BASIC SEWING MACHINES Single needle Lock stitch machines - Parts and Functions - Timed sequence in stitch formation in single needle lock stitch machine - Needle bar mechanism with diagram - Brief study of Shuttle and Hook mechanism with diagram - Study of thread tension variation and its adjustment in needle and Bobbin - Different types of needles and Needle Number - Selection of needle and thread. Different types of sewing machine bed and its features	15
III	SPECIAL MACHINES Merits of Computerized sewing machine - Different types of Feed mechanism in sewing machine. Threading Procedures with diagram - 3 threads over lock - Flat lock Machine (5 Thread). Brief Study of Button hole & Button Stitch Machines – Elastic tape Stitch Machine – Collar turner - Feed-Off-Arm machine – Chain Stitch Machine – Bar Tacking machine – Blind stitch Machine – Zig Zag machines – Computerized embroidery machine – Thread sucking machine - needle detector.	15
IV	ATTACHMENTS AND CUTTING MACHINE Brief study of Hemmer Foot, Cording Foot, Piping Foot, Quilter & Guide Foot with diagram. Brief study of special attachments and uses. Brief study of Folders, Binders & Guides. Objectives of Spreading – Requirements of Spreading table – Spreading types - Brief study of automatic spreading machine. Types of Cutting machines – Straight Knife, Band Knife, Round knife, Die Cutting and Laser Cutting. Brief study about Computerized cutting machine.	14
V	FINISHING MACHINES & MAINTENANCE Fusing – Elements of fusing - Types of Fusing machine and working of continuous fusing machine with diagram. Garment finishing – Process flow chart of garment finishing - Principles of Pressing – objective of pressing – Equipments for pressing - Spotting process – Universal finishers – Shirt finishers - form finishers - tunnel finishers - Garment folding machine. Maintenance of Machines – Maintenance Schedule in Garment Units.	14

TEXT BOOKS:

Title	Author	Publisher	Year
Mechanical Technology	V Sivarajan	V K Pub. Bangalore	2002
Theory of Machines	S S Rattan	Tata Mc GRAW – Hill Pub. Co .Ltd. New Delhi-110033	1996
Text book of Electrical Technology	B L Theraja A K Theraja	S. Chand & Co. New Delhi	2002
Essentials of Electricity	K C Graham	D B Tarapore wala Mumbai	
Technology of Clothing Manufacture	Carr & Lathem	Blackwell Sci.Pub New 54ork	2014
Introduction to Clothing Manufacture	Gerry Cooklin	Blackwell Sci.Pub New 54ork	2015

REFERENCES:

Title	Author	Publisher	Year
Theory of Machines	P L Ballaney	Kanna Pub., Delhi.	1980
Complete Guide to Sewing	-	Readers Digest.	1999
The complete book of sewing	Dorling Kindersley	London	1999
A Text book of Machine Design	R S Khurmi J K Gupta	Eurasia Pub., New Delhi	1998

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DIPLOMA IN GARMENT TECHNOLOGY

G-SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 404

Semester : IV Semester

Subject Title : Pattern Drafting and Construction – I

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG404 Pattern Drafting and Construction -I	5	80	25	75	100	3 Hrs

Topics and Allocation of Hours:

Unit	Topics	Hours
I	Infants wear	15
II	Children Wear – I	15
III	Children wear– II	15
IV	Children wear – III	14
V	Children wear – IV	14
	Revision Test	07
Total		80

OBJECTIVES:

At the end of the study of IV Semester the student will be able to

- Understand the drafting procedure for infants' style.
- Learn the layout and construction procedure for infants' style.
- Understand the drafting procedure for frock styles.
- Learn the layout and construction procedure for frock styles.
- Understand the drafting procedure for girls' style.
- Learn the layout and construction procedure for girls' style.
- Understand the drafting procedure for boys' style.
- Learn the layout and construction procedure for boys' style.

GTG 404 PATTERN DRAFTING AND CONSTRUCTION- I

UNIT	NAME OF TOPICS	HOURS
I	<u>INFANT WEAR</u> Standard measurements - Suitable materials - Number of Components - Drafting procedure - Drafting the Paper pattern - Design. 1. Blummer set 2. Plich knicker 3. Jabla Calculation of the fabric consumption by Layout for the above garment.	15
II	<u>CHILDREN'S WEAR I</u> Standard measurements - Suitable materials – Number of Components - Drafting procedure - Drafting the Paper pattern - Design. 1. Skirt with different types of pleats 2. Romper 3. Night wear – Pyjama & Top Calculation of the fabric consumption by Layout for the above garment.	15
III	<u>CHILDREN'S WEAR II:</u> Standard measurements - Suitable materials - Number of Components - Drafting procedure - Drafting the Paper pattern - Design. 1. A Line frock with Magyar sleeve 2. Yoke frock with puff sleeve 3. Umbrella frock with petal sleeve Calculation of the fabric consumption by Layout for the above garment.	15
IV	<u>CHILDREN'S WEAR III:</u> Standard measurements - Suitable materials – Number of Components - Drafting procedure - Drafting the Paper pattern - Design. 1. Flared flounces frock 2. Smocking frock with halter neck 3. Low waist godet frock with bell sleeve. Calculation of the fabric consumption by Layout for the above garment.	14
V	<u>CHILDREN'S WEAR IV :</u> Standard measurements - Suitable materials – Number of Components - Drafting procedure - Drafting the Paper pattern - Design. 1. Baba suit 2. Sun suit 3. Peddle pusher Calculation of the fabric consumption by Layout for the above garment.	14

TEXTBOOKS:

Title	Author	Publisher	Year
The Art of Sewing	Anna Jacob Thomas.	Ubs Publishers, Delhi.	2001
Practical Clothing Constructions Part I & II	Mary Mathews	PaprinpackPrinters,Chennai.	1985
Zarapkar System Of Cutting.	K.R.Zarapkar	Navneet Publications (I) Ltd.,Dantali. Gujarat.	2015

REFERENCES:

Title	Author	Publisher	Year
Sew It Yourself	Lippman (Gidon)	Prentice Hall Inc New Jersey	2002
Metric Pattern Cutting For Children's Wear	Winfred Aldrich	Blackwell science	1991
Pattern Design For Children's Clothes	Gloria Mortimer-Dunn	BT BatsfordLtd,London	1996
Clothing For Moderns	Erwine	Macmillan Pub.Co., New York.	1992
Comparative Clothing Construction Techniques	VirginnStolpe Lewis	Surjeetpublications Delhi.	2015
Scientific Garments Cutting	K.M.Hegde	K.M.Hegde& Sons, Poona	1989
Art In Everyday Life	Harriet Goldstein Vetta Goldstein	Oxford & IBH Publishing	1982

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DIPLOMA IN GARMENT TECHNOLOGY

G-SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 471

Semester : IV Semester

Subject Title : Home Textiles Practical

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours /Week	Hours /Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 471 Home Textiles Practical	4	64	25	75	100	3Hrs.

GTG 471 HOME TEXTILES PRACTICAL

LIST OF EXPERIMENTS

1. Cut, stitch and finish any two types of pillow covers.
2. Cut, stitch and finish round cushion cover.
3. Cut, stitch and finish square cushion covers with frills.
4. Cut, stitch and finish Quilt cover.
5. Cut, stitch and finish Bed sheet.
6. Cut, stitch and finish Apron.
7. Cut, stitch and finish Mitten.
8. Cut, stitch and finish Table cover.
9. Cut, stitch and finish Tea cozy.
10. Cut, stitch and finish any two types of Window curtain.
11. Cut, stitch and finish Sofa cover.
12. Cut, stitch and finish Pelmets.

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Experiment	50marks
Write up	20marks
Viva	05marks
Total	75Marks

OBJECTIVES OF THE EXPERIMENTS:

Pillow cover & Cushion cover

- To construct different types of Pillow cover – any two.
- To construct different types of Cushion cover
- To construct different types of Cushion cover with Frills.

Quilt cover & Bed spread

- To construct different types of Quilt cover.
- To Construct Bed spread with decorative details & embroidery.

Kitchen

- To Construct Apron, Mitten, Table cover, Tea cozy cover, pot cover and Napkins.

Window

- To construct window curtains and hangers.

Furniture covers

- To construct chair cover, sofa cover and pelmets

LIST OF EQUIPMENT

Equipment required:

- Measuring tools
- Pattern making tools
- Construction tools
- General tools
- Sewing machines: - Lock stitch- 15 m/cs.
Over lock- 1 m/c.
Flat lock- 1 m/c
Button hole- 1 m/c
Button stitch- 1 m/c

Materials required:

- 3 to 5 meters of fabric/ experiment/ batch of 30 students.
- Sewing threads: - white and assorted – 30 nos.

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DIPLOMA IN GARMENT TECHNOLOGY

G-SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 472

Semester : IV Semester

Subject Title : Garment Construction –I Practical

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester:16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG472 Garment Construction- I Practical	4	64	25	75	100	3Hrs.

LIST OF EXPERIMENTS:

1. Construct a Napkin and Bib using suitable measurements.
2. Construct a Pilch Knicker using suitable measurements.
3. Construct a Jabla using suitable measurements.
4. Construct a Nightdress - Pyjama & Top using suitable measurements.
5. Construct a Romper using suitable measurements.
6. Construct A line – frock using suitable measurements.
7. Construct a Yoke Frock using suitable measurements.
8. Construct a Umbrella Frock using suitable measurements.
9. Construct a Low Waist Godet Frock with pleated using suitable measurements.
10. Construct a Baba suit using suitable measurements.
11. Construct a Sun suit using suitable measurements.
12. Construct a Peddle pusher using suitable measurements.

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Experiment 50marks

Write up 20marks

Viva 05marks

Total 75Marks

OBJECTIVES OF THE EXPERIMENTS:

Infants' wears

- To prepare the paper pattern, calculate fabric consumption by using layout method for the Garment and develop a garment – Pilch Knicker
- To prepare the paper pattern, calculate fabric consumption by using layout method for the Garment and develop a garment -Jabla
- To prepare the paper pattern, calculate fabric consumption by using layout method for the Garment and develop a garment –Romper

Frock styles

- To prepare the paper pattern, calculate fabric consumption by using layout method for the Garment and develop a garment–A line Chemise
- To prepare the paper pattern, calculate fabric consumption by using layout method for the Garment and develop a garment –Yoke Frock
- To prepare the paper pattern, calculate fabric consumption by using layout method for the Garment and develop a garment –Umbrella Frock.

LIST OF EQUIPMENT

Equipment required:

- Pattern table- 8'x4' table- 4 Numbers.
- Scissors – 10 Numbers
- Pattern scale – 10 Numbers.

Materials required:

- Pattern paper-30 numbers/experiment /batch of 30 students
- Measuring, drafting & general tools-30/ batch of 30 students

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DIPLOMA IN GARMENT TECHNOLOGY

G-SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 473

Semester : IV Semester

Subject Title : Embroidery-II Practical

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester:16 weeks

Subject Title	Instructions		Examination			
	Hours /Week	Hours /Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG473 Embroidery-II Practical	4	64	25	75	100	3Hrs.

GTG 473 EMBROIDERY PRACTICAL -II

LIST OF EXPERIMENTS:

1. Prepare Embroidery Design using Tambour Embroidery.
2. Prepare Embroidery Design using Crewel Embroidery.
3. Prepare Embroidery Design using Needle Weaving.
4. Prepare Embroidery Design using Cut work.
5. Prepare Embroidery Design using Smocking work.
6. Prepare Embroidery Design using Patch work.
7. Prepare Embroidery Design using Shadow work.
8. Prepare Embroidery Design using Shaded Embroidery.
9. Prepare Embroidery Design using Mirror work.
10. Prepare Embroidery Design using Kutch work.
11. Prepare Embroidery Design using Ribbon work.
12. Prepare Embroidery Design using Zardoshi Embroidery.

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Experiment	50 marks
Write up	20 marks
Viva	05 marks
Total	5Marks

OBJECTIVES OF THE EXPERIMENTS: HAND EMBROIDERY

- To practice Tambour Embroidery
- To practice Crewel Embroidery.
- To practice Needle weaving.
- To practice Cut work.
- To practice Smocking Work.
- To practice Patch Work.
- To practice Shadow Work.
- To practice Mirror Work.
- To practice Kutch Work and Zardoshi Embroidery

LIST OF EQUIPMENT:

***Embroidery tools & machineries:-**

- Embroidery frame- 30Numbers.
- Hand needles- 30Numbers.
- Tracing wheel & Tracing Table - 30Numbers.
- Thimbles- 30 Numbers.

*** Materials required:**

- 3 meter fabric/ experiment/ batch of 30 students
- 1 meter Non-woven or Sponge sheet / experiment / batch of 30 students
- 10 sheets of tracing paper/ experiment /batch of 30students
- Embroidery threads- 30skeins of assorted colors/ experiment / batch of 30 students.

V SEMESTER

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 501

Semester : V Semester

Subject Title : Chemical Processing and Testing of Textiles

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours/ Week	Hours/ Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 501 Chemical Processing and Testing of Textiles	5	80	25	75	100	3 Hrs

Topics and Allocation of Hours:

Unit	Topics	Hours
I	Preparatory Process in Wet Processing	15
II	Dyeing of Textiles	15
III	Printing of Textiles	15
IV	Finishing of Textiles	14
V	Testing of Yarns and Fabrics	14
	Revision & test	07
Total		80

OBJECTIVES:

At the end of the study of V Semester the Student will be able to

- Understand The Basics of Wet Processing Sequence.
- Study The Singeing, Scouring, Desizing & Bleaching Processes.
- Learn The Classifications of Dyes.
- Understand The Various Dyeing Techniques.
- Understand The Methods of Printing.
- Study The Various Printing Techniques.
- Know About Finishing Processes.
- Learn Different Types of Finishing Methods In Detail.
- Understand The Basics of Numbering Systems.
- Learn Yarn and Fabric Testing Procedures.

GTG 501 CHEMICAL PROCESSING AND TESTING OF TEXTILES

UNIT	NAME OF TOPICS	HOURS
I	PREPARATORY PROCESS IN WET PROCESSING Sequence of process used in wet processing– Object of Singeing – Gas singeing Machine. Objects of de-sizing – Enzyme De-sizing. Scouring – objects - Scouring of cotton fabric uses Kiers - Merits of Continuous desizing and Scouring. Bleaching – objects of bleaching – Conventional bleaching process (using hypo chloride).Continuous method of scouring and bleaching using Hydrogen peroxide in J Box with line diagram – Comparison of woven and knitted cloth processing.	15
II	DYEING OF TEXTILES Dyes used for natural, Manmade and synthetic fibres – Dyeing of cellulosic fibre with Vat, Reactive dyes using Jigger – Dyeing of knitted fabric with reactive dyes using soft flow machine – Dyeing method of protein fibre with acid dyes – Dyeing of polyester with disperse dyes – HTHP Beam dyeing machine. Garment Dyeing – Sancowad process, Rotary dyeing, , Denim Processing	15
III	PRINTING OF TEXTILES Comparison between dyeing and printing - Styles and methods of printing.Direct style of printing with pigments on cotton - Direct style of Printing with reactive dyes on cotton - Direct style of printing with Disperse dyes on polyester - Brief style of Batik style, tie & dye, and Ikkat on cotton. Steps in Screen preparation – Brief study of printing techniques such as Flat bed, Rotary, Digital ink jet printing - Curing machine – steamer.	15
IV	FINISHING OF TEXTILES Mercerization – Objects of mercerization – Mercerization of cotton fabric using chainless machine – Sanforisation process – Objects of Compacting and Calendaring. Finishing – Type of finishes (Functional and Novelty finish), Finishing procedure and Chemicals - Silicone finish, Marble (Acid) finish, Stone wash, Water repellent and Water resistance finish, Flame retardant and Anti-microbial finish.	14
V	TESTING OF YARNS AND FABRICS Definition of yarn count – Definition of English and Tex system of yarn numbering - Method of count determination by Beesley balance – Yarn strength by Lea tester – Yarn Twist – Double yarn twist Estimation – Yarn Appearance test as per ASTM standards. Fabrics – Tensile, Tear, Bursting strength – Abrasion Testing by Martindale abrasion tester. Testing of fastness – Wash, light, rub fastness for garments. Definition of Fabric Air Permeability and Fabric Air Resistance and its importance.	14

TEXTBOOKS:

Title	Authors	Publishers	Year
The Bleaching Dyeing of Cotton material.	Prayog R S	Weaver's service centre, Mumbai	2000
Technology of Textile Printing	Prayog R S	-do-	1998
Principles of Textile Testing	J.E. BOOTH	Butterworth Scientific, London	1999

REFERENCES:

Title	Authors	Publishers	Year
Tech.of textile Processing all series	SHENAI.V.A.	Shevak Publications Bombay	1999
Mercerising	MARSH.J.T.	BT Publications, Mumbai	1979
An Introduction to Textile finishing	MARSH.J.T.	-do-	1979
Textile Printing	MILLER.W.C	Society of Dyers	1994

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 502

Semester : V Semester

Subject Title : Pattern Drafting and Construction – II

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 502 Pattern Drafting and Construction - II	5	80	25	75	100	3 Hrs.

Topics and allocation of hours:

Unit	Topics	Hours
I	Skirt Styles	15
II	Choli Styles	15
III	Teen Styles	15
IV	Chudidar Styles	14
V	Tops Styles	14
	Revision Test	07
Total		80

OBJECTIVES:

At the end of the study of V Semester the student will be able to

- Understand the drafting procedure for ladies' style.
- Learn the layout and construction procedure for ladies' style.
- Learn about pattern grading, fitting and pattern alterations.

GTG 502 PATTERN DRAFTING AND CONSTRUCTION – II

UNIT	NAME OF TOPICS	HOURS
I	<p><u>SKIRT STYLES</u> Two styles to be designed - Standard measurements - Drafting the Paper pattern – Drafting procedure - Components-Technical terms- Selection of Materials for Saree Petticoat. 1. Godet Skirt 2. Six Panel Skirt 3. Pleated Skirt Calculation of fabric consumption by layout.</p>	15
II	<p><u>CHOLI STYLES</u> Two styles to be designed - Standard measurements - Drafting the Paper pattern-Drafting procedure Components- Technical terms - Selection of Materials for Girls Wear. 1. Choli/High neck 2. Cut Choli 3. Katori Choli Calculation of fabric consumption by layout for the above Garment.</p>	15
III	<p><u>TEEN STYLES</u> Two styles to be designed - Standard measurements-Drafting the Paper pattern-Drafting procedure -Components-Technical terms- Selection of Materials for Teens. 1. Midi Tops 2 Divided Skirt 3. Maxi Calculation of fabric consumption by layout for the above Garment</p>	15
IV	<p><u>CHUDIDAR STYLES</u> Two styles to be designed - Standard measurements - Drafting the Paper pattern-Drafting procedure - Components-Technical terms - Selection of Materials for Ladies Wear. 1. Garara 2. Churidar 3. Salwar Calculation of fabric consumption by layout for the above Garment.</p>	14
V	<p><u>TOPS STYLES</u> Two styles to be designed - Standard measurements - Drafting the Paper pattern Drafting procedure - Components-Technical terms - Selection of Materials for Tops Wear. 1. Kameez 2. Princess line (Short and Long Kameez) 3. Ladies Shirt Calculation of fabric consumption by layout for the above Garment.</p>	14

TEXT BOOKS:

Title	Author	Publisher	Year
The Art Of Sewing	Anna Jacob Thomas.	Ubs Publishers, Delhi.	2001
Practical Clothing Constructions Part I & II	Mary Mathews	Paprinpack Printers, Chennai.	1982
Zarapkar System Of Cutting.	K.R.Zarapkar	Navneet Publications (I) Ltd., Dantali. Gujarat.	2005
Sew it Yourself	Lippman (Gidon)	Prentice Hall Inc New Jersey	2002

REFERENCES:

Comparative Clothing Construction Techniques	Virginn Stolpe Lewis	Surjeet Publications, Delhi	1985
Scientific Garments Cutting	K.M. Hedge	K.M. Hedge & Sons., Poona	1998
Pattern Cutting For Women's Outer Wear	Gerry Cooklin	Blackwell Science Publication, London	2001
Metric Pattern Cutting	Winfred Aldrich	Blackwell Science Publication, London	2003
Metric Pattern Cutting For Children's Wear	Winfred Aldrich	Blackwell Science Publication, London	2004
Pattern grading for Mens' Clothes	Gerry Cooklin	Blackwell Science Publication, London	2000
Pattern grading for Children's Clothes	Gerry Cooklin	Blackwell Science Publication, London	1991
Pattern Grading for womens' Clothiing	Gerry Cooklin	Blackwell Science Publication, London	2004
Step by Step Dress Making course	Leela Aitken	BBC Books, London	1992

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DIPLOMA IN GARMENT TECHNOLOGY

G-SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 503

Semester : V Semester

Subject Title : Sketching and Draping

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester:16 weeks

Subject Title	Instructions		Examination			
	Hours /Week	Hours /Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 503 Sketching and Draping	5	80	25	75	100	3Hrs.

Topics and Allocation of Hours:

S. No	Topics	Hours
I	Sketching & Drawing	15
II	Introduction To Draping	15
III	Draping Of Bodice Blocks & Variations	15
IV	Draping Of Yokes, Sleeves, Collars & Skirts	14
V	Draping Of Advanced Design Variations & Knit Garments	14
	Revision Test	7
Total		80

OBJECTIVES:

At the end of the study of V Semester the student will be able

- Study the tools and equipment used in sketching.
- Learn about the line sketches and shadow sketches.
- Learn about the outdoor and indoor sketching.
- Learn about human figure drawing.
- Understand the procedure for draping steps.
- Know how to prepare muslin for draping.
- Study about draping of Bodice front and back.
- Learn about Draping of full garment.

ELECTIVE –I

GTG 503 SKETCHING AND DRAPING

UNIT	NAME OF TOPICS	HOURS
I	SKETCHING & DRAWING Tools and Equipment for drawing - Pencil - Brushes - Crayons : Object drawing modeling - Plane and solid geometry - Perspective - Vanishing Point. Indoor Sketching-Line Sketches and Shadow Sketches-Using various directions of lights sources of object. Outdoor Sketching- Birds, feather, leaves, and sea. Figure proportions - Male, Female and child. Mechanical principles of the human figure - Profile figure. Relative proportions of bones by head - Method of Drawing- size, figure. Brief study of method of drawing human parts - Head Neck-Mouth-Nose-Arms-Hands-Legs - Foot - Sectional Drawing of Male & Female torso.	15
II	INTRODUCTION TO DRAPING Definition of Draping – Draping Tools & Equipments – Draping principles – Preparation of muslin for Draping – Seam allowance – Preparation of Dress form for Draping. Draping of Basic Bodice front – Preparation of muslin – Draping steps – Marking – Truing - Draping of Basic Bodice Back – Draping of Basic Sleeve – Draping of Basic Skirt.	15
III	DRAPING OF BODICE BLOCKS & VARIATIONS Front Bodice with under arm Dart – Back Bodice with Neckline Dart – Dart manipulation – Waist line Dart – Dart at waistline and centre front – French Dart – Double French Dart – Flange Dart – Neckline Dart – Neckline variations – Front & Back Armhole variations – Typical sleeveless – Squared – Cutaway Waist line variation – lowered – Empire – Shortened – Scalloped – Pointed. The Princes Bodice – Cowls – front – Under arm cowl – Wrapped neckline cowl. Twists – Butterfly Twist – Neck yoke twist – Bust twist.	15
IV	DRAPING OF YOKES, SLEEVES, COLLARS & SKIRTS Draping of fitted midriff Yoke — Shirt yoke – Hip Yoke. Draping of – Mandarin Collar – Convertible collar – Peterpan collar. Draping of Basic Dolman sleeve – Long fitted Dolman sleeve — Reglan sleeve – Kimono sleeve with a gusset. Draping of one piece basic skirt – Gored skirt – Flared skirt – Pleats in the flared skirt – Gathers in the flared skirt – Pleated skirt – Side & Box pleated skirt – Kick pleated and inverted pleated skirt – Divided skirt.	14
V	DRAPING OF ADVANCED DESIGN VARIATIONS & KNIT GARMENTS Draping of bias – Cut slip Dress – Bustier Designs – basic Knit Bodice Dress – Knit Halter - Knit Leotard - Knit Panties - Draping of peplums. Draping of ‘A’ line shift – Draping of Princess Dress – Draping of Basic Jacket. Draping of Flounces – Circular flounce – Shirred Flounce – Draping of Ruffles – Variable Ruffle finishes.	14

TEXT BOOKS:

Title	Author	Publisher	Year
The Art of Fashion Draping	Connie Amaden Crawford	Fair Child Publication, New York Om Books International, New Delhi	2005
Draping for Fashion Design	Hilde Jaffe & NurieRelis	Prentice Hall career & Technology, Englewood Cliffs, USA	2002

REFERENCES:

Title	Author	Publisher	Year
Draping for Fashion Design	Hilde Jaffe & NurieRelis	Dorling Kindersley India Pvt Ltd., New Delhi-110092	2009

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066 Subject Code:GTG 504

Semester : V Semester

Subject Title : Artificial Jewellery Making

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 504 Artificial Jewellery Making	5	80	25	75	100	3 Hrs.

Topics and Allocation of Hours:

S.No	Topics	Hours
I	TOOLS & EQUIPMENTS	15
II	FINISHING METHODS	15
III	QUELLING & SILK THREAD JEWELLERY	15
IV	CLASSICAL & KUNDHAN JEWELLERY	14
V	FASHION JEWELLERY	14
	Revision & Test	7
Total		80

OBJECTIVES:

At the end of the study of V Semester the student will be able to

- Study about the Tools & Equipments.
- Study about the Finishing Methods.
- Study about the Quelling & Silk Thread Jewellery.
- Study about the Classical & Kundhan Jewellery.
- Know about the Fashion Jewellery.

GTG 504 ARTIFICIAL JEWELLERY MAKING

DETAILED SYLLABUS

Contents: Theory

UNIT	NAME OF THE TOPICS	HOURS
I	TOOLS & EQUIPMENTS Definition- Tools, Types of Tools ,Types Of Raw Materials- Rope- Elastic-Hooks-Gear Locks-Lorials - Silk Thread Stones, Fabric Glue – Organdy Cloth-Velvet Fabric- Objectives of Tools – Uses of Tools.	15
II	FINISHING METHODS Definition Finishing – Objectives of Finishing – Types of Finishing Materials – Uses of Finishing .	15
III	QUELLING & SILK THREAD JEWELLERY Definition Quelling , Types of Quelling Methods, Uses of Quelling & Colour Matching, Tools Required- Explain A Ring, Neck Chains – Bracelets- Earrings – Anklets, Define Silk Thread Jewellery, Objective of Silk Thread Jewellery-Uses of Silk Thread Jewellery Neck Chains – Bracelets- Earrings, Bangles.	15
IV	CLASSICAL & KUNDHAN JEWELLERY Introduction for Kundan & Classical Jewellery Objectives of Kundan Jewellery, Objectives of Classical; Jewellery , Ring Neck Chains – Bracelets – Earrings – Anklets – Noise Pins – Mattals – Nethisudi – Harams – Oltiyam – Uses Of Kundhan & Classical Jewellery.	14
V	FASHION JEWELLERY Introduction for Fashion Jewellery – History of Taracotta – Basis of Taracotta – Objectives of Taracotta – Earrings- Neck Sets – How To Make – Fashion Jewellery – Objectives Fashion Jewellery – Earrings- Hand Bands – Neck Sets – Rings.	14

REFERENCES:

Title	Author	Publisher	Year
Drawing for Jewelers: Master Class in Professional Design	<u>Maria Josep Forcadell Berenguer, Josep Asunción Pastor,</u>	Schiffer Pub Limited, 2012	2012
Techniques of Jewelry Illustration and Color Rendering	<u>Adolfo Mattiello, Judith Evans, Cy Cylkowski,</u>	Du Matt Corporation, 1995	1995
Research into Design Supporting Sustainable Product Development.	<u>Amaresh Chakrabarti</u>	Research Publishing Service, 2011	2011
Re-Use-The Art and Politics of Integration and Anxiety	<u>Julia A. B. Hegewald, Subrata K. Mitra</u>	SAGE Publications India, 2012	2012

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 571

Semester : V Semester

Subject Title : Chemical Processing and Testing Of Textiles Practical

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours/ Week	Hours/ Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 571 Chemical Processing and Testing Of Textiles Practical	5	80	25	75	100	3 Hrs

GTG 571 - CHEMICAL PROCESSING AND TESTING OF TEXTILES PRACTICAL

LIST OF EXPERIMENTS

1. De-size the given woven fabric.
2. Scour the given woven fabric.
3. Bleach the given cotton fabrics with Hydrogen peroxide.
4. Dye the given Cellulosic fabric with Reactive dyes.
5. Dye the given Polyester fabric with Disperse dyes.
6. Dye the given Protein fabric with Acid dyes.
7. Print the given cotton fabrics with Reactive dyes.
8. Determine the Lea strength of yarn using Lea tester and calculate the Count Strength product.
9. Determine the Twist per Inch of Double yarn using Twist tester.
10. Determine the Tensile strength of fabric using Tensile strength tester.
11. Determine the Tearing strength of fabric using Tearing strength tester.
12. Determine the Bursting strength of the fabric using Bursting test.

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Pattern preparation	50 marks
Drafting procedure	20 marks
Viva	05 marks
Total	75 Marks

OBJECTIVES:

Wet Processing

- To learn Desizing, Scouring & Bleaching of fabrics.
- To practice dyeing of Reactive, Acid, Disperse dyes on relevant fabrics.
- To learn different Printing techniques on fabrics using Reactive and Pigment dyes.

Textile Testing

- Lea strength of yarn
- Count Strength product.
- Twist per Inch of Single yarn
- Tensile strength of fabric.
- Tearing strength of fabric
- Bursting strength of the fabric.

LIST OF EQUIPMENT

Equipment / Machines / Instruments required:

Wet processing

- Beaker- 30 Numbers.
- Glass rod- 30 Numbers.
- Steel tumbler- 30 Numbers.
- Dye bath (6 tumbler/ Bath) - 30 Numbers.
- Physical balance- 1 Number
- Electronic balance - 1 Number.
- Burners 5 Numbers.
- HTHP dyeing machine- 1 Number.
- Screens- 5 Numbers.
- Squeezer 5 Numbers.
- Printing table 1 Numbers.
- Padding mangles 1 Numbers.(Optional)

Textile Testing

- Crock meter 1 Number.
- Tensile strength tester- fabric 1 Number.
- Tearing strength tester 1 Number.
- Bursting strength tester 1 Number.
- Yarn Lea strength tester 1Number.
- Twist tester- single yarn 1Number.
- Beesley balance 1 Number.
- Wrap reel 1 Number.
- Counting glass 30 Numbers.

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 572

Semester : V Semester

Subject Title : Garment Construction – II (P)

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG572 Garment Construction – II (P)	4	64	25	75	100	3 Hrs.

GTG572- GARMENT CONSTRUCTION-II PRACTICAL

LIST OF EXPERIMENTS:

1. Construct a Godet Skirt, Six Panel Skirt and Pleated Skirt using the paper pattern.
2. Construct a Cut Choli using the paper pattern.
3. Construct a Katori Choli using the paper pattern.
4. Construct a midi & tops using the paper pattern.
5. Construct a divided skirt using the paper pattern.
6. Construct a maxi using the paper pattern.
7. Construct a Garara using the paper pattern.
8. Construct a Churidar using the paper pattern.
9. Construct a Salwar using the paper pattern.
10. Construct a Kameez using the paper pattern.
11. Construct a Princess line Kameez using the paper pattern.
12. Construct a Ladies Shirt using the paper pattern.

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Pattern preparation	50 marks
Drafting procedure	20 marks
Viva	05 marks
Total	75 Marks

OBJECTIVES:

Ladies' wears.

- To prepare the paper pattern for the Garment -- Godet Skirt,six panels
- To prepare the paper pattern for the Garment – Cut Choli, Katori Choli.
- To prepare the paper pattern for the Garment - midi & tops, divided skirt
- To prepare the paper pattern for the Garment – Garara, Churidar
- To prepare the paper pattern for the Garment – Kameez, Princess line Kameez
- To prepare the paper pattern for the Garment – Ladies Shirt

LIST OF EQUIPMENT

Equipment required:

- Pattern table- 8'x4' table- 4 nos.

Materials required:

- Pattern paper-30 nos./experiment /batch of 30 students
- Measuring, drafting & general tools-30/ batch of 30 students

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 573

Semester : V Semester

Subject Title : Sketching and Draping Practical (P)

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG573 Sketching and Draping Practical	4	64	25	75	100	3 Hrs.

GTG 573 SKECHING AND DRAPING PRACTICAL

LIST OF EXPREIMENTS

1. Draw a human anatomy shape, size and movements.
2. Draw a forms-using water colour for transparent effect.
3. Draw a stick figure for both normal and the fashion figure.
4. Draw a forms-using Poster colour for opacity effect.
5. Draw a forms-using colour pencils for transparent and transquelent effect.
6. Prepare a basic bodice pattern for Front & Back by Draping Technique.
7. Construct a Basic Skirt using draping technique.
8. Construct a Basic Sleeve using draping technique.
9. Construct a Princess Bodice using draping technique.
10. Construct Pleated Skirt using draping technique.
11. Construct Tapered Slacks using draping technique.
12. Construct Raglan Sleeve using draping technique.

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Experiment	50marks
Write up	20marks
Viva	05marks
Total	75Marks

OBJECTIVES OF THE EXPERIMENTS:

1. To Draw the object .
2. To Draw human anatomy shape, size and movements.
3. To Draw a stick figure.
4. To prepare a muslin fabric for front and back bodice to draping using dressform.

Equipment required:

Drawing table - 30 Nos

Materials required:

Drawing tools and colouring tools - 30 Number/experiment/batch of 30 students.

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 574

Semester : V Semester

Subject Title : Artificial Jewellery Making (P)

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG574 Artificial Jewellery Making Practical	4	64	25	75	100	3 Hrs.

GTG 574 ARTIFICIAL JEWELLERY MAKING PRACTICAL

LIST OF EXPERIMENTS :

1. Preparation of Quelling Earrings
2. Preparation of Kundhan Neck Sets
3. Preparation of Kundhan Haram
4. Preparation of Kundhan Ottiyanam, Earrings, Nethisutty
5. Preparation of Kundhan Bangles
6. Preparation of Classical Ottiyanam, Earring, Nethisutty
7. Preparation of Taracotto Earrings
8. Preparation of Taracotto Neck Sets
9. Preparation of Silk Thread Earrings
10. Preparation of Silk Thread Bangles
11. Preparation of Anklet
12. Preparation of Bracelets

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Experiment	50marks
Write up	20marks
Viva	05marks
Total	75 Marks

Equipment required:

Hand Needle, Jewellery Pliers, Nylon-Jaw Pliers, Looping & Mandrel Pliers, Memory Wire Pliers & Cutters.

Materials required:

White metal called nickel. Lead, copper, cadmium and brass are also being used- 30 Number/experiment/batch of 30 students.

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 575

Semester : V Semester

Subject Title : Entrepreneurship and Startups Practical

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 575 Entrepreneurship and Start-up Practical	4	64	25	75	100	3 Hrs.

Topics and Allocation of Hours

UNIT	Topic	Hours
I	Entrepreneurship – Introduction and Process	12
II	Business Idea and Banking	12
III	Startups, E-cell and Success Stories	12
IV	Pricing and Cost Analysis	12
V	Business Plan Preparation	12
Revision & Test		4
Total		64

OBJECTIVES:

At the end of the study of 5th semester the students will be able to

- To excite the students about entrepreneurship
- Acquiring Entrepreneurial spirit and resourcefulness
- Understanding the concept and process of entrepreneurship
- Acquiring entrepreneurial quality, competency and motivation
- Learning the process and skills of creation and management of entrepreneurial venture
- Familiarization with various uses of human resource for earning dignified means of living
- Know its contribution in and role in the growth and development of individual and the nation
- Understand the formation of E-cell
- Survey and analyze the market to understand customer needs
- Understand the importance of generation of ideas and product selection
- Learn the preparation of project feasibility report
- Understand the importance of sales and turnover
- Familiarization of various financial and non-financial schemes
- Aware the concept of incubation and start ups

GTG 575 ENTREPRENEURSHIP AND STARTUPS PRACTICAL

DETAILED SYLLABUS

UNIT	NAME OF THE TOPICS	HOURS
I	Entrepreneurship – Introduction and Process <ul style="list-style-type: none">• Concept, Functions and Importance• Myths about Entrepreneurship• Pros and Cons of Entrepreneurship• Process of Entrepreneurship• Benefits of Entrepreneur• Competencies and characteristics• Ethical Entrepreneurship• Entrepreneurial Values and Attitudes• Motivation• Creativity• Innovation• Entrepreneurs - as problem solvers• Mindset of an employee and an entrepreneur• Business Failure – causes and remedies• Role of Networking in entrepreneurship	12
II	Business Idea and Banking <ul style="list-style-type: none">• Types of Business: Manufacturing, Trading and Services.• Stakeholders: sellers, vendors and consumers and Competitors• E- commerce Business Models• Types of Resources - Human, Capital and Entrepreneurial tools and resources Selection and utilization of human resources and professionals, etc.• Goals of Business; Goal Setting• Patent, copyright and Intellectual property rights• Negotiations - Importance and methods• Customer Relations and Vendor Management• Size and capital based classification of business enterprises• Various sources of Information• Role of financial institutions• Role of Government policy• Entrepreneurial support systems• Incentive schemes for state government• Incentive schemes for Central governments.	12

III	Startups, E-cell and Success Stories <ul style="list-style-type: none"> • Concept of Incubation centre's • Visit and report of DIC , financial institutions and other relevance institutions • Success stories of Indian and global business legends • Field Visit to MSME's • Study visit to Incubation centers and start ups • Learn to earn • Startup and its stages • Role of Technology – E-commerce and Social Media • Role of E-Cell • E-Cell to Entrepreneurship. 	12
IV	Pricing and Cost Analysis <ul style="list-style-type: none"> • Unit of Sale, Unit Price and Unit Cost - for single product or service • Types of Costs - Start up, Variable and Fixed- Fixed and variable cost in a garment unit. • Break Even Analysis - for single product- a small garment industry with 5 machines and a single garment • Applicable taxes for garment units and their rate • Understand the meaning and concept of the term Cash Inflow and Cash Outflow • Price • Calculate Per Unit Cost of a single product- For a Garment- Shirt, Trouser, Chudidhar, and children's wear. • Operational Costs in a Garment unit • Pricing and Factors affecting pricing. • Launch Strategies after pricing and proof of concept. 	12
V	Business Plan Preparation <ul style="list-style-type: none"> • Generation of Ideas. • Business Ideas vs. Business Opportunities • Opportunity Assessment – Factors, Micro and Macro Market Environment • Selecting the Right Opportunity • Product selection • New product development and analysis. • Feasibility Study Report – Technical analysis, financial analysis and commercial analysis. Preparation of Feasibility report for a garment unit with 20 sewing machines • Market Research - Concept, Importance and Process • Market Sensing and Testing • Marketing and Sales strategy • Digital marketing ○ Branding - Business name, logo, tag line. Familiar brand names in garment manufacturing and selling. 	12

Note: (i) Unit 1, 2 & 3 contents are common for all diploma programs

(ii) Unit 4 & Unit 5 contents are optional; Conveners/HoD's are requested framing with their branch specific contents.

REFERNCES:

1. Dr.G.K.Varshney, Fundamentals of Entrepreneurship, Sahitya Bhawan Publications, Agra - 282002
2. Dr.G.K.Varshney, Business Regulatory Framework, Sahitya Bhawan Publications, Agra - 282002
3. Robert D. Hisrich, Michael P. Peters, Dean A. Shepherd, Entrepreneurship , McGraw Hill (India) Private Limited, Noida - 201301
4. M.Scarborough, R.Cornwell, Essentials of Entrepreneurship and small business management, Pearson Education India, Noida - 201301
5. Charantimath Poornima M. Entrepreneurship Development and Small Business Enterprises, Pearson Education, Noida - 201301
6. Trott, Innovation Management and New Product Development, Pearson Education, Noida - 201301
7. M N Arora, A Textbook of Cost and Management Accounting, Vikas Publishing House Pvt. Ltd., New Delhi-110044
8. Prasanna Chandra, Financial Management, Tata McGraw Hill education private limited, New Delhi
9. I. V. Trivedi, Renu Jatana, Indian Banking System, RBSA Publishers, Rajasthan
10. Simon Daniel, HOW TO START A BUSINESS IN INDIA, BUUKS, Chennai – 600018
11. Ramani Sarada, The Business Plan Write-Up Simplified - A practitioners guide to writing the Business Plan, Notion Press Media Pvt. Ltd., Chennai 600095

Board Examination – Evaluation Pattern Internal Mark Allocation

Assignment (Theory portion) *	-	10
Seminar Presentation	-	10
Attendance	-	5
Total	-	25

Note: * Two assignments should be submitted. The same must be evaluated and converted to 10 marks.

Guidelines for assignment:

First assignment – Unit I Second assignment – Unit II

Guidelines for Seminar Presentation – Unit III

Each assignment should have five three marks questions and two five marks questions.

BOARD EXAMINATION

Note

1. The students should be taught all units and proper exposure and field visit also arranged. All the portions should be completed before examinations.
2. The students should maintain theory assignment and seminar presentation. The assignment and seminar presentation should be submitted during the Board Practical Examinations.
3. The question paper consists of theory and practical portions. All students should write the answers for theory questions (40 Marks) and practical portions (60 Marks) should be completed for board examinations.
4. All exercises should be given in the question paper and students are allowed to select by lot. If required the dimensions of the exercises may be varied for every batch. No fixed time allotted for each portion and students have liberty to do the examination for 3Hrs.
5. For Written Examination: theory question and answer: 45 Marks

Ten questions will be asked for 3 marks each. Five questions from each unit 1 & 2. (10 X 3 = 30).

Three questions will be asked for 5 marks each. One question from each unit 1, 2 & 3. (3 X 5 = 15).

6. For Practical Examination: The business plan/Feasibility report or Report on Unit 4 & 5 should be submitted during the board practical examinations. The same have to be evaluated for the report submission (40 marks).

DETAILED ALLOCATION OF MARKS

Sl.No	Description	Marks
Part A	Written Examination - Theory Question and answer (10 questions x 2 marks:20 marks & (3 questions x 5 marks: 15 marks)	35
Part B	Practical Examination – Submission on Business Plan/Feasibility Report or Report on Unit 4 & 5	30
Part C	Viva voce	10
	Total	75

VI SEMESTER

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DIPLOMA IN GARMENT TECHNOLOGY

G-SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066 Subject Code: GTG 601 Semester: VI Semester

Subject Title : Textile Management

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG601 Textile Management	5	80	25	75	100	3 Hrs.

Topics and Allocation of Hours

S. No	Topics	Hours
I	Introduction to Management, Site selection, Plant layout	15
II	Production and Financial Management	15
III	Human Resource Management	15
IV	Supervisory and Safety Management	14
V	Export Management	14
	Revision & Test	7
Total		80

OBJECTIVES:

- To know about the fundamentals of management and the various functions of personnel management.
- To have knowledge about components and systems of wage payment.
- To know about the various labour welfare activities in a textile mill.
- To know about the layouts and industrial buildings, factors influencing selection of site.
- To know about productivity, labour and machine productivity and the factors affecting them.
- To know about the role of supervisor in a textile unit, causes and precautions and prevention of industrial accidents and safety devices used in textile mills..
- To know about inventory control and the methods adopted, material handling in textile mills.
- To know about financial management, cost and its components, calculation of Ex mill price and break even analysis.
- To know about export policy of India, export promoting agencies and their functions, export order processing and export pricing methods.

GTG 601 TEXTILE MANAGEMENT
DETAILED SYLLABUS

Contents: Theory

Unit	Name of the Topic	Hours
I	INTRODUCTION TO MANAGEMENT, SITE SELECTION AND PLANT LAY OUTS Management – Definition, Functions and Principles. Organization structure of any Textile Unit. Selection of site - Various factors of site selection for various textile industries. Industrial Buildings – Types. Importance of Lighting, Ventilation and Humidification. Plant layout -Process, Product, Combination - their merits and demerits. Suitable Layout for Spinning, Weaving, Processing and Garment industries. Eco Management.	15
II	PRODUCTION AND FINANCIAL MANAGEMENT Production, Productivity, Labour Productivity Index (LPI) and Machine Productivity Index (MPI). Production Information System, Application of Work Study, Method Study, Time Study and Work Measurement in a Textile Mill. Material Handling – Importance, Various Equipments used for Material Handling in a Textile Industry. Production Planning and Control (PPC) – Functions, Enterprise Resource Planning (ERP). Inventory control - Economic Order Quantity (EOQ), ABC and VED Analysis. Financial Management – Sources of Finance. Cost – Elements, Techniques of Costing, System of Costing - Method of Calculating Ex Mill Price. Break Even Analysis. Depreciation.	15
III	HUMAN RESOURCE MANAGEMENT HRM – Importance. Man Power Planning, Job Analysis and Job Evaluation. Recruitment – Sources, Selection Process in Recruitment. Training – Importance and types of Training Process. Wages – Its Components. Method of Wage Payment. Incentives – Types, Merits and Demerits. Labour Welfare Activities – Role of Labour Welfare Officer. Labour grievances - Causes Grievance Redressal procedures	15
IV	SUPERVISORY AND SAFETY MANAGEMENT Supervisor – Role, Leadership – Role, Difference Between Leader and Manager. Transformational Leadership. Motivation - Need, Importance and Types of motivation - Maslow's theory, XYZ theory in motivation. Communication- Principle of effective communication - types of communication - barriers of communication. Labour welfare activities with respect to factories act. Industrial safety- Causes of accidents, preventive measures. Guards and safety devices in textile mill. Types of fire and fire prevention. Application of 5 S and Kaizen principles for effective Supervision.	14
V	EXPORT MANAGEMENT Importance and benefits of international marketing. World Trade Organization (WTO) – functions of WTO. Various export promotion measures by government of India. Functions of TEXPROCIL, AEPC, PEDEXIL, HEPC and Textile committee. Export procedure - Export incentives. Importance of Shipping bill and bill of lading. Export finance – pre shipment finance and post shipment finance. Letter of Credit. Export pricing-Ex factory, Free On Truck (FOT), Free On Board (FOB), Cost & Freight(C&F), Cost Insurance Freight (CIF) and Franco pricing. Brief Idea about Management Information System (MIS), Just In Time (JIT) and Total Quality Management (TQM).	14

TEXT BOOKS:

S.NO	TITLE	AUTHOR	PUBLISHERS	YEAR
1	Principles of Management	P.C.Tripathi	Tata Mcgrow Publishing Company Ltd, New Delhi	2001
2	Management of Textiles	Dudeg A.V.D	Trade Press, Textile Indistry, Ahemadabad	1981

REFERENCES:

S.NO	TITLE	AUTHOR	PUBLISHERS	YEAR
1	Industrial Eng. And Management	Balasundaram.K	Sri. Ramalingasowdeswari Publications, Coimbatore.	2005
2	Personnel Management of Human Resources	MamoriA.C.B	Himalaya Publishing House, Mumbai	1999
3	Orgisation Theory & Behaviour	Luthans.F	Printece Hall Of India	2001
4	Management Of Textile	Ormerod.A	Butter Worth &Company	1979
5	Industeial Eng. &Management Science	BaugA.T.R;Etal	Khanna PublisherNew Delhi	1996
6	Business Management Theory	SingA. J.C & Mugali.V.N	Edition (5) R.Chand & Co, New Delhi	2002
7	Costing In Textle Mills	Sitra	Sitra, Coimbatore	2002

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DIPLOMA IN GARMENT TECHNOLOGY
G-SCHEME
(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 602

Semester : VI Semester

Subject Title : Apparel Quality Control

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16weeks

Subject Title	Instructions		Examination			
	Hours /Week	Hours /Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 602 Apparel Quality Control	5	80	25	75	100	3Hrs.

Topics and Allocation of Hours:

S. No	Topics	Hours
I	Inspection methods & Packing	15
II	Testing of Garments	15
III	Care label and Garment defects	15
IV	Garment Industry Certification	14
V	Sustainable clothing	14
	Revision TEST	7
Total		80

OBJECTIVES:

At the end of the study of VI Semester the student will be able to

- Understand the inspection methods.
- Learn the sampling procedure and quality audit.
- Understand the various testing procedures to produce quality woven garments.
 - o Learn the various testing procedures to produce quality knitted garments.
- Learn the various packing accessories in garment industries
- Understand the packing procedure
- Learn the different types of care labeling systems. o Learn the various defects in garments and analyzing the reasons for them.
- Learn the quality control programs
- Understand the concept of TQM, ISO 9000, WRAP, SA 8000 & BCI .
- Learn the sustainable clothing principles and importance

GTG 602 APPAREL QUALITY CONTROL

DETAILED SYLLABUS

UNIT	NAME OF THE TOPICS	HOURS
I	UNIT-I INSPECTION METHODS & PACKING Quality control - Definition - Importance of quality –Inspection process - Raw material Inspection - Fabric Inspection - 4 point System - 10 point System - Inspection of Sewing Thread. In process Inspection – Final Inspection –AQL Inspection. Classification of Packing and its importance - Stand up pack - Flat pack - Hanger pack - Dead man pack – Sandwich pack – Ratio pack, Size wise pack, Color wise pack, Assorted pack and Un-assorted pack - Brief study of Packing materials	15
II	TESTING OF GARMENTS Seam strength Testing - Testing of Fabric Stretch properties - Dimensional changes due to Laundering, Dry cleaning and Steaming & Pressing - Durable Press Evaluation of Fabrics and Apparel - Needle cutting / yarn severance - Sewability of fabrics - Bow and Skewness in Woven and Knitted fabrics - Distortion of yarn in Woven Fabrics – Testing of Water Resistance and Water Repellency – Testing for Soil / Stain releasing - Testing of Fusible Interlinings and Elastic Waist Band - Pantyhose Testing - Wear Testing.	15
III	CARE LABELING & GARMENT DEFECTS Introduction to Care labels - its importance - Different systems of Care labeling - American - British - Canadian - Japanese – and International labeling. Shade sorting - Introduction - importance Instrumental shade sorting. Flammability - Introduction - Degree Flammability Test method - 45and Vertical Flammability Tests. Defects in garments – Classification of major, minor and critical defects, pattern defects, spreading defects, cutting defects, stitching defects and seam defects.	15
IV	GARMENT INDUSTRY CERTIFICATION Quality Control Program - Seven tools of quality controls Product quality audit. Garment Industry certification – Importance of social compliance – TQM - Procedure of obtaining ISO 9000 series standards - WRAP Certification & Procedures – SA 8000 certification – Eco label certification - GOTS certificate – Oekotex standard100 – Better cotton Initiative (BCI).	14
V	SUSTAINABLE CLOTHING Sustainable clothing - Definition - Fashion industry and garment consumption – Principles of environmental design – Guidelines for sustainable design – Definition of Redesign & Recycle – Up cycling – Down cycling –Principle of cradle to cradle. Material for sustainable design – Life cycle assessment (LCA). Shifts in Textile Industry – Fibre shift – Manufacturing shift – Technology shift – Consumption shift – Environment shift – Implementatio of shifts on future strategies of textile. Brief study of GRS (Global Recycle Standard) certification	14

TEXT BOOKS:

Title	Author	Publisher	Year
An Introduction to Quality control for The Apparel Industry	Pradip V Mehta	ASQC Quality press. New York.	2002
Managing Quality in the Apparel Industry	Pradip V Mehta Satish k Bhardwaj	New Age International Publishers	1998

REFERENCES:

Title	Author	Publisher	Year
ISO 9000 Series Manual	-	New Delhi.	2019
Knitted clothing Technology	Terry Brackenbary	Black well science Ltd	1996
Sustainable Fashion	Kirsi Niinimäki	Aalto University Publications Series,	2013
The Big shift	-	Wazir Advisors Pvt. Ltd.	2018

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DIPLOMA IN GARMENT TECHNOLOGY
G -SCHEME
(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066

Subject Code : GTG 603

Semester : VI Semester

Subject Title : Apparel Merchandising

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 603 Apparel Merchandising	5	80	25	75	100	3 Hrs.

Topics and Allocation of Hours:

Unit	Topics	Hours
I	Introduction to Merchandising	15
II	Merchandise Planning	15
III	Retail & Visual Merchandising	15
IV	Garment Costing	14
V	Marketing Techniques & sales promotion	14
	Revision Test	7
Total		80

OBJECTIVES:

At the end of the study of V Semester the student will be able to

- Understand the merchandising procedures.
- Learn the functions of merchandiser.
- Understand the retail merchandising procedures.
- Learn the pricing procedures.
- Understand the visual merchandising procedures.
- Learn the trends in visual merchandising.
- Understand the merchandising plan.
- Learn to prepare merchandising calendar and activities.
- Learn the marketing techniques.
- Understand the advertising techniques.
- Learn the sales promotion techniques.

ELECTIVE II

GT603 APPAREL MERCHANDISING

UNIT	NAME OF THE TOPICS	HOURS
I	INTRODUCTION TO MERCHANDISING Terminology in merchandising - Customer, Consumer, Buyer, Importer, Retailer, Exporter and Trader. Season of export – Spring, Summer, Winter & Autumn. Types of Buyer and buying offices. Merchandising – Definition – Process flow of merchandising – Role of merchandiser – Skills of Merchandiser. Sampling – Types of samples - Development sample, Salesman sample, Approval sample, Preproduction sample, Production sample, Shipment sample. Brief study of Garment export procedure - Specification file – BOM sheet – order confirmation – purchase order – PP Meeting – Compliance.	15
II	MERCHANDISE PLANNING Merchandising plan – Planning sales goals – Buying plan – Assortment Planning – Open to buy – Purpose of a six months plan, Elements of a six-month plan – Analysis of previous merchandising plan and developing a new plan - Planning components - Merchandising calendar and scheduling. Direct order - Merchant order - CMT order - Vendor and sub-contractor - Requirement of a purchase order - Buyer seller meets.	15
III	RETAIL & VISUAL MERCHANDISING Introduction to Retail Merchandising – Types of retail merchandising - Department stores – Discounters – Off-price retailers – Outlet source – Close out - Warehouse clubs – Non-store retailing – Mail order Merchants – E Tailing. Definition of Visual Merchandising – Elements of Visual Merchandising - Signage, Marquee, Entries, window display, Lighting & Awnings – Brief study of boutique. Principles of Displays – Responsibility in visual merchandiser – Methods of display – Problems in display.	15
IV	GARMENT COSTING Components of costing – Prime cost – Over heads – Total cost. Garment Costing – Fabric consumption – Sewing thread consumption - CMT charges for various styles – Costing of woven garment full Sleeve shirt and Trouser– Costing of Knitted garment - T shirt, night gown. Retail pricing – Mark up – Price point – Markdown – Promotional pricing – Deceptive pricing.	14
V	MARKETING TECHNIQUES & SALES PROMOTION Marketing – Definition - Principles – Objectives – Strategies - Brief study of E-marketing. Advertisement Techniques – Broadcast Advertising – Radio advertising – Television Advertising – Magazines – Out-of-home advertising - Advertisement effectiveness. Consumer behavior in fashion - Sales promotion approaches & effectiveness - Distribution channels.	14

TEXT BOOKS:

Title	Author	Publisher	Year
Marketing Management	Philip . Kotler Kevin Lane Keller	Prentice Hall	2006
Fashion Marketing & Merchandising	Manmeet Sodhia	Kalyani Publishers	
Fashion buying & Merchandising	Management	Tim Jackson & David Shaw Palgrave Master Series	2001
Apparel Manufacturing	Ruth E. Glock Grace I. Kunz	A Simson & Schuster company, Singapore	1995

REFERENCES:

Title	Author	Publisher	Year
Export management	Balagopal.T.A.S	Himalaya Publishing House, Bombay.	1984
Inside the fashion Business	Kitty G. Dicerson	Dorling Kindsley (India) Pvt Ltd., New Delhi	2007
Fashion Retailing	Ellen Diamond	Dorling Kindsley(India) Pvt Ltd., New Delhi	2007
Foundations of advertising Theory & Practice	Chunnawala Sethia	Himalaya Publishing House, Bombay	1985
Retail Merchandising	Ernest H Rich	Merrill Publishing Company	
Fashion Sales Promotion	Pamela M.Phillips	A Simson & Schuster company, New Jersy	1985
Fashion Marketing	Mike Easey	Blackwell Publishing	2005
Fashion Marketing	Hines & Bruce	Butter worth - Heinemann	2006
Merchandise Buying and Management	Donnellecen John	Fairchild Publication Inc., NY	1999

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DIPLOMA IN GARMENT TECHNOLOGY
G -SCHEME
(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name : Diploma in Garment Technology

Course Code : 1066 Subject Code:GTG 604

Semester : VI Semester

Subject Title : Interior Décor Designing

Teaching and Scheme of Examination

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 604 Interior Décor Designing	5	80	25	75	100	3 Hrs.

Topics and Allocation of Hours:

S.NO	TOPICS	HOURS
I	Introduction	15
II	Furniture, Lighting and Colour	15
III	Floor Coverings, Window & Door Decoration	15
IV	Pictures & Flower Arrangement	14
V	Decorative Accessories	14
	Revision Test	7
TOTAL		80

GTG 604 INTERIOR DÉCOR DESIGNING

UNIT	NAME OF THE TOPICS	HOURS
I	INTRODUCTION Introduction to textile furnishing – definition – different types of furnishing materials- woven and non-woven- introduction to interior decoration – material requirements-factors affecting selection of home furnishing- international home furnishing products-country wise –importing & exporting of home furnishings from india . importance of good taste-design-definition –elements and principles of design.	15
II	FURNITURE, LIGHTING AND COLOUR Role of colour in interior decoration, prang colour chart –lighting arrangements in living room –local lights-indirect light-furniture-selection-points to be considered for selecting furniture. furniture selection and arrangements in living room-dinning room-kitchen-bed room-furnishing furnitures –types of textile materials used-types of products-decorative methods. Preparation of cushion covers and its importance. Selection of material for table cloth, tray cloth and tea-poi covers.	15
III	FLOOR COVERINGS,WINDOW & DOOR DECORATION Rugs and carpets –Definition-Difference between rugs and carpets –Points to be considered while selecting Floor covering-Decorative and functional values of floor covering .Aims of window treatment –Different types of curtains –Glass curtains-tie back curtain –Selection of fabrics for curtain-Methods of Furnishing draperies –Tucks Pleats, Shaped &Piped –Bows – Design & Application of Drapery rods-Ring Hooks-Tape Screens-types of screen. Upholstery-uses of Upholstery .	15
IV	PICTURES & FLOWER ARRANGEMENT Pictures –the appeal of a picture & suitability of the picture to the rooms-framing pictures –hanging of pictures-substitutes for pictures-Accessories .Flower Arrangement-Beauty of line and colour in flower arrangement selection of vases-the arrangement of flowers-Japanese flower arrangement-importance of leaves .	14
V	DECORATIVE ACCESSORIES Decorative accessories-types-Application-uses of each accessories –Factors to be considered for selecting & applying accessories-colour combination-colour scheme selection-proportion of accessories –Study of interior decoration for Home, offices, star Hotels and special events like Marriage hall, Fashion stage. Recommendation for good Interior Decoration	14

REFERENCES :

S.no	Name of the Author	Name of the book	Publisher's Name
01	Harriest Goldstein	Art in everyday life	Oxford & Publishing
02	Anne Vandyke	The Craft of soft Furnishing	Stanley Paul, London
03	Jerry Krishchen	How to make ties & table cloths	A national general Co, new york Vetta Goldstein

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name: Diploma in Garment Technology

Course Code: 1066

Subject Code: GTG 605

Semester: VI Semester

Subject Title: Pattern Drafting and Construction – III

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours /Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG605 Pattern Drafting and Construction - III	5	80	25	75	100	3 Hrs.

Topics and Allocation of Hours:

Unit	Topics	Hours
I	Bermudas & Slack pant	15
II	Pleated pant& Full sleeve shirt	15
III	Kurtha & Sharvani	15
IV	S.B Vest and Blazzer	14
V	T-Shirt & Tight and Tracks	14
	Test & Model Exam	7
Total		80

OBJECTIVES:

At the end of the study of VI Semester the student will be able to

- Understand the drafting procedure for men's style.
- Learn the layout and construction procedure for men's style.
- Learn about pattern grading, fitting and pattern alterations.

GTG 605 PATTERN DRAFTING AND CONSTRUCTION – III

UNIT	NAME OF THE TOPICS	HOURS
I	Two styles to be designed. Standard measurements - Drafting the paper pattern- Drafting procedure-Selection of materials for Bermudas & Slack pant. 1. Bermudas 2. Slack Pant 3. Pleated pant	15
II	Two styles to be designed - Standard measurements - Drafting the paper pattern- Drafting procedure-Selection of materials for Pleated pant & Full sleeve shirt 1.Full Sleeve Shirt 2.T-Shirt 3.Dressing Gown	15
III	Two styles to be designed - Standard measurements - Drafting the paper pattern - Drafting procedure - Selection of materials for Kurtha &Sharvani 1. Kurtha 2. Sharvani	15
IV	Two styles to be designed - Standard measurements Drafting the paper pattern - Drafting procedure - Selection of materials for S.B Vest and Blazzer. 1. S.B Vest 2. Blazzer	14
V	Two styles to be designed - Standard measurements - Drafting the paper pattern – Drafting procedure - Selection of materials for T-Shirt & Tight and Tracks 1. Nehru’s Kurta 2.Tight and Tracks	14

TEXT BOOKS:

Title	Author	Publisher	Year
The Art Of Sewing	Anna JacobThomas.	Ubs Publishers, Delhi.	2001
Practical Clothing Constructions Part I & II	Mary Mathews	Paprinpack Printers,Chennai.	1982
Zarapkar System OfCutting.	K.R.Zarapkar	Navneet Publications (I) Ltd.,Dantali. Gujarat.	2005
Sew it Yourself	Lippman (Gidon)	Prentice Hall Inc New Jersey	2002

REFERENCES:

Comparative Clothing Construction Techniques	Virginn Stolpe Lewis	Surjeet Publications, Delhi	1985
Scientific Garments Cutting	K.M. Hedge	K.M. Hedge & Sons., Poona	1998
Pattern Cutting For Women's Outer Wear	Gerry Cooklin	Blackwell Science Publication, London	2001
Metric Pattern Cutting	Winfred Aldrich	Blackwell Science Publication, London	2003
Metric Pattern Cutting For Children's Wear	Winfred Aldrich	Blackwell Science Publication, London	2004
Pattern grading for Mens' Clothes	Gerry Cooklin	Blackwell Science Publication, London	2000
Pattern grading for Children's Clothes	Gerry Cooklin	Blackwell Science Publication, London	1991
Pattern Grading for womens' Clothiing	Gerry Cooklin	Blackwell Science Publication, London	2004
Step by Step Dress Making course	Leela Aitken	BBC Books, London	1992

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name: Diploma in Garment Technology

Course Code: 1066

Subject Code: GTG 671

Semester: VI Semester

Subject Title: Garment Construction –III Practical

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 671 Garment Construction – III Practical	4	64	25	75	100	3 Hrs.

GTG 671 GARMENT CONSTRUCTION –III PRACTICAL

LIST OF EXPERIMENTS

1. Construct a Bermudas using the paper pattern.
2. Construct a Slack Shirt using the paper pattern.
3. Construct a Pleated Pant using the paper pattern.
4. Construct a Full Sleeve shirt using the paper pattern.
5. Construct a T-shirt using the paper pattern.
6. Construct a dressing gown using the paper pattern.
7. Construct a Kurtha using the paper pattern.
8. Construct a Sharvani using the paper pattern.
9. Construct a S.B Vest using the paper pattern.
10. Construct a Blazzer using the paper pattern.
11. Construct a Tights and tracks using the paper pattern.
12. Construct a Nehru's Kurta using the paper pattern.

ALLOCATION OF MARKS

Pattern preparation 50 marks

Drafting procedure 20 marks

Viva 05 marks

Total 75 Marks

OBJECTIVES:

Mens' wears.

- To prepare the paper pattern for the Garment – Bermudas
- To prepare the paper pattern for the Garment – Pleated Pant
- To prepare the paper pattern for the Garment – Full Sleeve shirt
- To prepare the paper pattern for the Garment – Kurtha
- To prepare the paper pattern for the Garment – S.B Vest
- To prepare the paper pattern for the Garment – Tights and tracks

LIST OF EQUIPMENT

Equipment required:

- Pattern table- 8'x4' table- 4 Numbers.

Materials required:

- Pattern paper-30 numbers. /expt /batch of 30 students
- Measuring, drafting & general tools-30/ batch of 30 students

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name: Diploma in Garment Technology

Course Code: 1066

Subject Code: GTG 672

Semester: VI Semester

Subject Title: Garment CAD Practical (P)

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 672 Garment CAD Practical	4	64	25	75	100	3 Hrs.

GTG 672 GARMENT CAD PRACTICAL

LIST OF EXPERIMENTS:

1. Design a ladies night wear and colouring using suitable software.
2. Design a fashion kids wear and colouring with contrast colour scheme
3. Design a T-Shirt and colouring with suitable tint.
4. Design a ladies skirt with suitable colour combination
5. Draft a pattern for A Line frock using suitable software.
6. Draft a pattern for full sleeve shirt using suitable software.
7. Draft a pattern for Ladies skirt.
8. Draft a pattern for Ladies night wear.
9. Draft a pattern for trouser.
10. Grade A-Line frock front style to its lower and higher grades. .
11. Grade Ladies skirt to its higher grade and laying the pieces using pattern design system.
12. Grade trouser pattern to its lower and higher grades and laying the pieces using pattern design system.

AUTONOMOUS EXAMINATION

DETAILED ALLOCATION OF MARKS

Experiment 50marks

Write-up 20marks

Viva 05marks

Total 75Marks

OBJECTIVES OF THE EXPERIMENTS:

- To learn the objective of software and its tools effectively
- To learn drafting procedure of various garments including A Line frock, full sleeve shirt, Ladies skirt, fashion kids wear
- To enhance the skills of students in Computer field by incorporating software knowledge
- To make the students to draft the patterns and stitch garments of their own
- To inculcate the knowledge of software completely to the students
- To learn about drafting pattern for trouser, ladies skirt
- To learn about grading patterns to lower and higher grades
- To learn about colour combination for garments

LIST OF EQUIPMENT

Equipment required:

- Computer

Software required:

- Coral Draw
- Rich peace

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DIPLOMA IN GARMENT TECHNOLOGY

G -SCHEME

(To be implemented to the students admitted from the year 2022-2023 onwards)

Course Name: Diploma in Garment Technology

Course Code: 1066

Subject Code: GTG 673

Semester: VI Semester

Subject Title: Project Work and Internship Practical

TEACHING AND SCHEME OF EXAMINATION

No of weeks per semester: 16 weeks

Subject Title	Instructions		Examination			
	Hours / Week	Hours / Semester	Marks			Duration
			Internal Assessment	Board Examination	Total	
GTG 673 Project work and Internship	4	64	25	75	100	3 Hrs.

***Minimum Marks for Pass is 50 out of which minimum 35 marks should be obtained out of 75 Marks in the Autonomous Board Examination alone.**

OBJECTIVES:

1. Implement the theoretical and practical knowledge gained through the curriculum into an application suitable for a real practical working environment preferably in an industrial environment
2. Get exposure on industrial environment and its work ethics through internship
3. Learn and understand the gap between the technological knowledge acquired through curriculum and the actual industrial need and to compensate it by acquiring additional knowledge as required.
4. Carry out cooperative learning through synchronous guided discussions within the class in key dates, asynchronous document sharing and discussions, as well as to prepare collaborative edition of the final project report.

PROJECT WORK:

Students have to select any one topic of their own interest under the guidance of the department faculty in their area of specialization, emphasizing the principles studied in the theory and practical subjects. The selected topics must be related to Textile manufacturing process in Spinning/Weaving/Textile wet processing/Knitting/Garment making/ Problems related to quality control waste control, process control, productivity control, machinery maintenance in Textile Industries. After completing the work, they have to submit their findings in the form of a report through the guide and Head of the Department. A viva-voce is conducted on the report submitted by the student. The number of students in a batch for a project work shall not exceed six.

INTERNSHIP:

The internship training for a period of two weeks shall be undergone by every candidate at the end of IV / V semester during vacation. The certificate shall be produced along with the internship report for evaluation. The evaluation of internship training shall be done along with final year "Project Work & Internship" for 20 marks. The internship shall be undertaken in any industry / Government or Private certified agencies which are in social sector / Govt. Skill Centres / Institutions / Schemes.

A neatly prepared PROJECT REPORT as per the format has to be submitted by individual student during the Project Work & Internship Board examination.

INTERNAL ASSESSMENT:

The internal assessment should be calculated based on the review of the progress of the work done by the student periodically as follows.

Detail of assessment	Period of assessment	Max. Marks
First Review	6 th week	10
Second Review	12 th week	10
Attendance	Entire semester	5
Total		25

EVALUATION FOR BOARD EXAMINATION:

Details of Mark allocation	Max Marks
Demonstration/Presentation	20
Report	20
Viva Voce	15
Internship report	20
Total	75

EQUIVALENT PAPERS

COURSE CODE	EXISTING SUBJECTS (2018)	COURSE CODE	PROPOSED SUBJECTS (2022-2023)
GTE 301	Fibre To Fabric Production	GTG 301	Fibre Science and Yarn Production
GTE 302	Fashion Designing	GTG 302	Fashion Designing
GTE 303	Basic Apparel Designing	GTG 303	Apparel Designing
BEE 183	Communication Skills (P)	–	No Equivalent paper
GTE 371	Fabric Analysis(P)	–	No Equivalent paper
–	-	GTG 371	Fashion Designing(P)
GTE 372	Basic Apparel Designing(P)	GTG 372	Apparel Designing(P)
-	-	GTG 373	Fashion Accessories(P)
GTE 373	Embroidery I -Hand Embroidery (P)	GTG 374	Embroidery-I (P)
GTE 401	Apparel Merchandising	GTG 603	Apparel Merchandising
–	-	GTG 401	Fabric Manufacture
GTE 402	Chemical Processing &Testing Of Textile	GTG 501	Chemical Processing And Testing Of Textiles
GTE 403	Garment Pattern Drafting &Construction-I (Kid's Wear)	GTG 404	Pattern Drafting And Construction -I
GTE 404	Embroidery Theory	–	No Equivalent paper
GTE 471	Embroidery II Kinds of Embroidery (P)	GTG 473	Embroidery-II (P)
GTE 472	Chemical Processing & Testing Of Textiles (P)	GTG 571	Chemical Processing and Testing Of Textiles(P)
GTE 473	Garment Stitching &Finishing-I(P)	GTG 472	Garment Construction- I (P)
GTE 501	Clothing Machinery & Equipment	GTG 403	Clothing Machinery And Equipment
GTE 502	Garment pattern Drafting & Construction II-Women's Wear	GTG 502	Pattern Drafting And Construction -II

COURSE CODE	EXISTING SUBJECTS (2018)	COURSE CODE	PROPOSED SUBJECTS (2022-2023)
GTE 503	Home textiles & Handicrafts	GTG 402	Home textiles
GTE 504	Artificial Jewellery Making	GTG 504	Artificial Jewellery Making
GTE 571	Computer Application In Pattern Drafting (P)	GTG 672	Garment Cad (P)
GTE 572	Garment Stitching & Finishing–II Women’s Wear (P)	GTG 572	Garment Construction- II (P)
GTE 573	Home textiles & Handicrafts (P)	GTG 471	Home Textiles (P)
GTE 574	Artificial Jewellery Making (P)	GTG 574	Artificial Jewellery Making (P)
–	No Equivalent paper	GTG 575	Entrepreneurship and Start-Ups (P)
GTE 576	Embroidery III Machine Embroidery (P)	–	No Equivalent paper
GTE 601	Apparel Quality Control	GTG 602	Apparel Quality Control
GTE 602	Garment Industry Management	GTG 601	Textile Management
GTE 603	Interior Décor Designing	GTG 604	Interior Décor Designing
GTE 604	Sketching and Draping	GTG 503	Sketching And Draping
GTE 605	Garment pattern Drafting & Construction III-Men’s Wear	GTG 605	Pattern Drafting and Construction –III
GTE 671	Garment Stitching & Finishing– III Men’s Wear(P)	GTG 671	Garment Construction –III ((P)
GTE 672	Interior Décor Designing(P)	–	No Equivalent paper
GTE 673	Sketching and Draping(P)	GTG 573	Sketching And Draping (P)
GTE 674	Project Work , Entrepreneurship, Environment and Disaster Management	GTG 673	Project Work and Internship (P)

**Statement of Comparison between the syllabuses of Dr. DGPCW and DoTE in respect
of the Department of Garment Technology**

S.No	Dr. D.G.P.C.W	DoTE	Remarks
III Semester			
1.	Fibre Science and Yarn Production	Fibre Science and Yarn Manufacture	On par with DoTE syllabi
2	Fashion Designing	Fashion Designing	On par with DoTE syllabi
3	Apparel Designing	Apparel Designing	On par with DoTE syllabi
4	Fashion Designing(P)	Fashion Designing - Practical	On par with DoTE syllabi
5	Apparel Designing(P)	Apparel Designing Practical	On par with DoTE syllabi
6	Fashion Accessories(P)	Fashion Accessories Practical	On par with DoTE syllabi
7	Embroidery–I (P)	Embroidery Practical	Since the content of this subject is more, it is made into two practical subjects. i.e. Embroidery–I (P) and Embroidery–II (P). Embroidery–II (P) is given in IV Semester.
IV Semester			
1	Fabric Manufacture	Technology of Fabric Manufacture	On par with DoTE syllabi
2	Home Textiles	-	This theory subject is not given in DoTE syllabi. Since it is essential to understand the basics, it is included.
3	Clothing Machinery and Equipment	Clothing Machinery and Equipments	On par with DoTE syllabi.
4	Pattern Drafting and Construction -I	Pattern Drafting and Construction - I	Pattern Drafting and Construction –I , II and III are given IV, V and VI semester in Dr. DGPCW. Whereas Pattern Drafting and Construction –I , II

S.No	Dr. D.G.P.C.W	DoTE	Remarks
			alone are given in DoTE syllabi. In Dr. DGPCW syllabi, since the content of this subject is more ,Kid's wear alone is given in Pattern Drafting and Construction –I, Ladies wear alone is given in Pattern Drafting and Construction –II, Men's wear alone is given in Pattern Drafting and Construction –III. But these three subjects are made into two subjects by DoTE.
5	Home Textiles (P)	Home Textiles Practical	On par with DoTE syllabi
6	Garment Construction-I (P)	Garment Construction - I Practical	In Dr. DGPCW syllabi, kid's wear alone is given as practicals in Pattern Drafting and Construction –I practical. But in DoTE syllabi kid's wear, Ladies wear and Men's wear are merged in Pattern Drafting and Construction –I practical.
7	Embroidery-II (P)	-	Since the content of this subject is more, it is made into two practical subjects. i.e. Embroidery–I (P) and Embroidery–II (P). Embroidery–I (P) is given in III Semester.
V Semester			
1	Chemical Processing and Testing of Textiles	Chemical Processing and Testing of Textiles	On par with DoTE syllabi
2	Pattern Drafting and Construction -II	Pattern Drafting and Construction -II	Pattern Drafting and Construction –I , II and III are given IV, V and VI semester in Dr. DGPCW. Whereas Pattern

S.No	Dr. D.G.P.C.W	DoTE	Remarks
			<p>Drafting and Construction –I , II alone are given in DoTE syllabi.</p> <p>In Dr. DGPCW syllabi, since the content of this subject is more ,Kid’s wear alone is given in Pattern Drafting and Construction –I, Ladies wear alone is given in Pattern Drafting and Construction –II, Men’s wear alone is given in Pattern Drafting and Construction –III. But these three subjects are made into two subjects by DoTE. In DoTE syllabi , Pattern Drafting and Construction –II, possess ladies and men’s wear.</p>
3	ELECTIVE I : Sketching and Draping	ELECTIVE I : Apparel Merchandising	Sketching and draping subject is given as Fashion draping in VI Semester in DoTE syllabi. In this syllabus, sketching unit is not included which is included in ELECTIVE I: Sketching and Draping in Dr. DGPCW syllabi.
4	ELECTIVE I : Artificial Jewellery Making	ELECTIVE I : Indian and Western Costumes	No comparison is required since the ELECTIVES are different.
5	Chemical Processing and Testing Of Textiles(P)	Chemical Processing and Testing of Textiles Practical	On par with DoTE syllabi
6	Garment Construction – II (P)	Garment Construction – II Practical	In Dr. DGPCW syllabi, Ladies wear alone is given as practical’s in Pattern Drafting and Construction –II practical. But in DoTE syllabi, Ladies wear and Men’s wear are merged in

S.No	Dr. D.G.P.C.W	DoTE	Remarks
			Pattern Drafting and Construction –II practical.
7	ELECTIVE I: Sketching and Draping (P)	-	This subject is included as practical for ELECTIVE I: Sketching and Draping
8	ELECTIVE I : Artificial Jewellery Making (P)	-	This subject is included as practical for ELECTIVE I: Artificial Jewellery Making
9	Entrepreneurship and Start-Ups(P)	Entrepreneurship & Start-ups Practical	On par with DoTE syllabi
VI Semester			
1	Textile Management	Textile Management	On par with DoTE syllabi
2	Apparel Quality Control	Apparel Quality Control	On par with DoTE syllabi
3	ELECTIVE II: Apparel Merchandising	Home Textiles	This Apparel Merchandising subject is offered in V Semester by DoTE.
4	ELECTIVE II: Interior Décor Designing	Fashion Draping	No comparison is required since the ELECTIVES are different.
5	Pattern Drafting and Construction –III	-	Pattern Drafting and Construction –I , II and III are given IV, V and VI semester in Dr. DGPCW. Whereas Pattern Drafting and Construction –I , II alone are given in DoTE syllabi. In Dr. DGPCW syllabi, since the content of this subject is more ,Kid's wear alone is given in Pattern Drafting and Construction –I, Ladies wear alone is given in Pattern

S.No	Dr. D.G.P.C.W	DoTE	Remarks
			Drafting and Construction –II, Men’s wear alone is given in Pattern Drafting and Construction –III. But these three subjects are made into two subjects by DoTE. In DoTE syllabi , Pattern Drafting and Construction –II, possess ladies and men’s wear.
6	Garment Construction –III (P)	-	In Dr. DGPCW syllabi, Ladies wear alone is given as practical’s in Pattern Drafting and Construction –II practical. But in DoTE syllabi, Ladies wear and Men’s wear are merged in Pattern Drafting and Construction –II practical.
7	Garment CAD (P)	-	No comparison is required since this subject is offered by Dr. DGPCW only.
8	Project Work and Internship (P)	Project work and Internship	On par with DoTE syllabi