

**MAHATMA GANDHI UNIVERSITY  
KOTTAYAM**



**B.VOC. DEGREE PROGRAMME IN**

**FASHION TECHNOLOGY AND  
MERCHANDISING**

**REGULATION, SCHEME AND SYLLABUS**

**(2018 ADMISSION ONWARDS)**

# **REGULATION AND SCHEME FOR B.VOC. PROGRAMME UNDER MAHATMA GANDHI UNIVERSITY**

(2018 admissions onwards)

We are facing unprecedented challenges – Skill and knowledge, the driving forces of economic growth and social development for any country. Presently, the country faces a demand – supply mismatch, as the economy needs more ‘skilled’ workforce than that is available. In the higher education sphere, knowledge and skills are required for diverse forms of employment in the sector of education, health care, manufacturing and other services. Potentially, the target group for skill development comprises all those in the labour force, including those entering the labour market for the first time, those employed in the organized sector and also those working in the unorganized sector. Government of India, taking note of the requirement for skill development among students launched National Vocational Education Qualification Framework (NVEQF) which was later on assimilated into National Skills Qualifications Framework (NSQF). Various Sector Skill Councils (SSCs) are developing Qualification Packs (QPs), National Occupational Standards (NOSs) and assessment mechanisms in their respective domains, in alignment with the needs of the industry.

The University Grants Commission (UGC) has launched a scheme on skills development based higher education as a part of college/university education, leading to Bachelor of Vocation (B.Voc.) Degree with multiple exits such as Diploma/Advanced Diploma under the NSQF (National skill Qualifications framework). The B.Voc. programme is focused on universities and colleges providing undergraduate studies which would also incorporate specific job roles along with broad based general education. This would enable the graduates completing B.Voc. to make a meaningful participation in accelerating India’s economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge. The proposed vocational programme will be a judicious mix of skills, professional education related to concerned vocation and also appropriate content of general education.

The Mahatma Gandhi University gave a strong momentum to the initiatives of UGC-NSQF in the very beginning itself. This University provides opportunities to its affiliating colleges since Academic Year 2014-15 to start skill based vocational Graduate programmes strictly under the guidelines of UGC and NSQF.

## **1. TITLE**

These regulations shall be called “**MAHATMA GANDHI UNIVERSITY REGULATIONS FOR B.VOC PROGRAMME 2018**”.

## 2. SCOPE

Applicable to all regular B.Voc Programme conducted by the University with effect from 2018 admissions onwards, except for B.Voc. Programmes, having scheme and syllabus already approved by MGU under 2014 regulation and scheme.

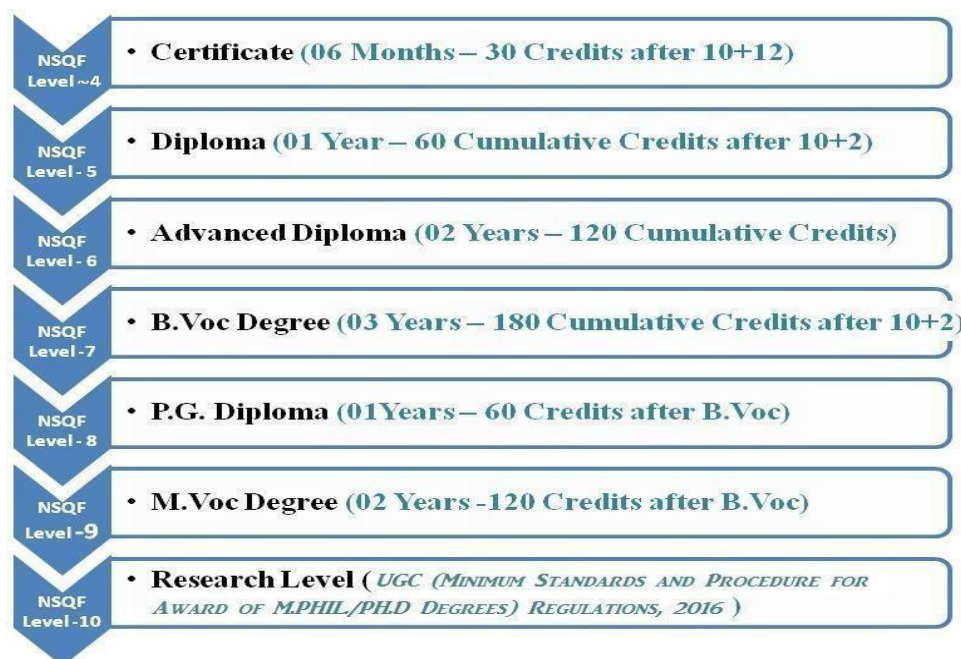
During the academic year 2018-19 admission onwards, all regular B.Voc Programme in affiliating colleges under MG University should strictly follow Mahatma Gandhi University Regulations for B.Voc Programme 2018.

## 3. ELIGIBILITY FOR ADMISSION AND RESERVATION OF SEATS

Eligibility for admission and reservation of seats for various Undergraduate Programmes shall be according to the rules framed by the University and UGC in this regard, from time to time.

## 4. TYPE OF COURSES AND AWARDS :

There will be full time credit-based modular programmes, wherein banking of credits for skills and general education components shall be permitted so as to enable multiple exit and entry.



The multiple entry and exit enable the learner to seek employment after any level of Award and join back as and when feasible to upgrade qualifications / skill competencies either to move higher in the job profile or in the higher educational system. This will also provide the learner an opportunity for vertical mobility to second year of B.Voc degree programme after one year diploma and to third year of B.Voc degree programme after a two year advanced diploma. The students may further move to Masters and Research degree programmes mapped at NSQF Level 8 – 10.

## **5. CURRICULA AND CREDIT SYSTEM FOR SKILL BASED COURSES**

In order to make education more relevant and to create ‘industry fit’ skilled workforce, the institutions recognized under B.Voc Degree programme offering skill based courses will have to be in constant dialogue with the industry and respective Sector Skill Councils (SSC’s) so that they remain updated on the requirements of the workforce for the local economy. These institutions should also preserve and promote the cultural heritage of the region, be it art, craft, handicraft, music, architecture or any such thing, through appropriately designed curriculum leading to gainful employment including self- employment and entrepreneurship development.

The curriculum in each of the semester/years of the programme(s) will be a suitable mix of general education and skill development components. The General Education Component shall have 40% of the total credits and balance 60% credits shall be of Skill Component.

The institution(s) shall prepare draft curriculum as per the UGC guidelines for Curricular Aspects Assessment Criteria and Credit System for Skill based Vocational Courses and place it for vetting by the UGC Advisory Committee constituted under these guidelines.

The Curriculum shall be finally approved by the Board of Studies (BoS) and Academic Council of the University / Autonomous College. The Universities where BoS for Vocational subjects has not yet been constituted, the curriculum may be considered by the BoS in allied subject area or an ad-hoc BoS may be constituted till the time regular BoS is notified in the university. The BoS should consider the programme wise curriculum based QP for skill component and relevant general education subjects i.e. the curricula for programmes in one broad subject area may vary from institution to institution in case the different progressive QPs are mapped with the programmes being offered. The choice of different progressive Job roles for a course may also be enabled under CBCS.

## **6. STRUCTURE OF THE PROGRAMME**

### **6.1 Skill Development Components - 60% Weightage**

### **6.2 General Education Component - 40% Weightage**

The B.Voc Programme should comprise 60% Skill Development Components (60% of total

Credit) and 40% General Education Component (40% total Credit) as per the guidelines of UGC and NSQL.

As an illustration, awards shall be given at each stage as per Table 1 below for cumulative credits awarded to the learners in skill based vocational courses.

**Table 1**

NSQF Level	Skill Component Credits	General Education Credits	Total Credits for Award	Normal Duration	Exit Points / Awards
7	108	72	180	Six semesters	B.Voc Degree
6	72	48	120	Four semesters	Advanced Diploma
5	36	24	60	Two semesters	Diploma
4	18	12	30	One semester	Certificate

## 7. SCHEME AND SYLLABUS

**7.1.** B.Voc Programme should include (a) General Education Component, (b) Skill Education Component

**7.2.** The B.Voc Programme should followed Credit and Semester System of MGU.

**7.3.** A separate minimum of 30% marks each for internal and external (for both theory and AOC) and aggregate minimum of 40% are required for a pass for a course. For a pass in a programme, **Grade P** is required for all the individual courses. If a candidate secures **F Grade** for any one of the courses offered in a Semester/Programme, **only F grade** will be awarded for that Semester/Programme until he/she improves this to **P Grade** or above within the permitted period.

## 8. ASSESSMENT AND EVALUATION BY MG UNIVERSITY

General Education Components and Skill Development Components shall be assessed and evaluated by MG University as per University Norms and UGC-NSQF guidelines.

## 9. ASSESSMENT AND CERTIFICATION BY SECTOR SKILL COUNCIL (SSC)

The affiliated colleges should make necessary arrangements for the simultaneous assessments and certification of Skill Development Component by aligned SSC having the approval of National Skill Development Corporation of India (NSDC).

## 10. EXAMINATIONS

10.1. The evaluation of each paper shall contain two parts:

- (i) Internal or In-Semester Assessment (ISA)
- (ii) External or End-Semester Assessment (ESA)

10.2. The internal to external assessment ratio shall be 1:4.

Both internal and external marks are to be rounded to the next integer.

All the courses (theory & AOC\*), grades are given **on a 7-point scale** based on the total percentage of marks, (*ISA+ESA*) as given below: -

\*AOC – Activity Oriented Course

Percentage of Marks	Grade	Grade Point
95 and above	O (Outstanding)	10
90 to below 95	A+ (Excellent)	9
80 to below 90	A (Very Good)	8
70 to below 80	B+ (Good)	7
60 to below 70	B (Above Average)	6
50 to below 60	C (Average)	5
40 to below 50	P (Pass)	4
Below 40	F(Fail)	0
	Ab (Absent)	0

## 11. CREDIT POINT AND CREDIT POINT AVERAGE

**Credit Point (CP)** of a paper is calculated using the formula:-

$$CP = C \times GP, \text{ where } C \text{ is the Credit and } GP \text{ is the Grade point}$$

**Semester Grade Point Average (SGPA)** of a Semester is calculated using the formula:-

$$SGPA = TCP/TC, \text{ where } TCP \text{ is the Total Credit Point of that semester.}$$

**Cumulative Grade Point Average (CGPA)** is calculated using the formula:-

$$CGPA = TCP/TC, \text{ where } TCP \text{ is the Total Credit Point of that programme.}$$

**Grade Point Average (GPA)** of different category of courses viz. Common Course I, Common Course II, Complementary Course I, Complementary Course II, Vocational course, Core Course is calculated using the formula: -

$$GPA = TCP/TC, \text{ where } TCP \text{ is the Total Credit Point of a category of course. } TC \text{ is the total credit of that category of course.}$$

Grades for the different courses, semesters and overall programme are given based on the corresponding CPA as shown below:

<b>GPA</b>	<b>Grade</b>	
9.5 and above	<b>O</b>	<b>Outstanding</b>
9 to below 9.5	<b>A+</b>	<b>Excellent</b>
8 to below 9	<b>A</b>	<b>Very Good</b>
7 to below 8	<b>B+</b>	<b>Good</b>
6 to below 7	<b>B</b>	<b>Above Average</b>
5 to below 6	<b>C</b>	<b>Average</b>
4 to below 5	<b>P</b>	<b>Pass</b>
Below 4	<b>F</b>	<b>Failure</b>

## **12. MARKS DISTRIBUTION FOR EXTERNAL AND INTERNAL EVALUATIONS**

The external theory examination of all semesters shall be conducted by the University at the end of each semester. Internal evaluation is to be done by continuous assessment. For all courses total marks of external examination is 80 and total marks of internal evaluation is 20. Marks distribution for external and internal assessments and the components for internal evaluation with their marks are shown below:

### 12.1. For all Theory Courses

a) Marks of External Examination : 80

b) Marks of Internal evaluation : 20

Components of Internal Evaluation – Theory	Marks
Attendance	5
Assignment /Seminar/Viva	5
Test paper(s) (1 or 2) (1×10 =10; 2×5 =10)	10
Total	20

For all AOC Courses total marks for external evaluation is 80 and total marks for internal evaluation is 20.

### 12.2. For all Activity Oriented Courses (AOC)

a) Marks of External Examination : 80

b) Marks of Internal Evaluation : 20

Components of Internal Evaluation – AOC	Marks
Attendance	5
Record	5
Skill Test	5
Lab Performance / Punctuality	5
Total	20

\*Marks awarded for Record should be related to number of experiments recorded and duly signed by the teacher concerned in charge.

All three components of internal assessments are mandatory.



### 12.3. PROJECT EVALUATION

- a) Marks of external Examination : 80  
b) Marks of internal evaluation : 20

Components of Internal Evaluation	Marks
Punctuality	5
Experimentation/Data Collection	5
Skill Acquired	5
Report	5
<b>Total</b>	<b>20</b>

\*Marks for dissertation may include study tour report if proposed in the syllabus.

Components of External Evaluation	Marks
Dissertation (External)	50
Viva-Voce (External)	30
<b>Total</b>	<b>80</b>

(Decimals are to be rounded to the next higher whole number)

### 13. INTERNSHIP

After the completion of every even semester, the student will undergo a minimum of two weeks Internship Programme in an Industry, having a good exposure in the concerned skill (Established at least two years prior), capable of delivering the skill sets to the students.

At the end of the Internship, students should prepare a comprehensive report.

### 14. ATTENDANCE EVALUATION FOR ALL PAPERS

Attendance Percentage	Marks
Less than 75 %	1 Mark
75 % & less than 80%	2 Marks
80% & less than 85%	3 Marks
85% & less than 90%	4 Marks
90% & above	5 Marks

(Decimals are to be rounded to the next higher whole number)

## **15. ASSIGNMENTS**

Assignments are to be done from 1st to 4th Semesters. At least one assignment per course per semester should be submitted for evaluation.

## **16. INTERNAL ASSESSMENT TEST PAPER**

Two test papers are to be conducted in each semester for each course. The evaluations of all components are to be published and are to be acknowledged by the candidates. All documents of internal assessments are to be kept in the college for one year and shall be made available for verification by the University. The responsibility of evaluating the internal assessment is vested on the teacher(s), who teach the course.

## **17. GRIEVANCE REDRESSAL MECHANISM**

Internal assessment shall not be used as a tool for personal or other type of vengeance. A student has all rights to know, how the teacher arrived at the marks. In order to address the grievance of students, a three-level Grievance Redressal mechanism is envisaged. A student can approach the upper level only if grievance is not addressed at the lower level.

### **17.1. Level 1: Department Level:**

The Department cell chaired by the HOD, Department Coordinator, Faculty Advisor and Teacher in-charge as members.

### **17.2. Level 2: College level**

A committee with the Principal as Chairman, College Coordinator, HOD of concerned Department and Department Coordinator as members.

### **17.3. Level 3: University Level**

Committee constituted by the Vice-Chancellor as Chairman, Pro-Vice-Chancellor, Convener - Syndicate Standing Committee on Students Discipline and Welfare, Chairman-Board of Examinations as members and the Controller of Examination as member-secretary.

The College Council shall nominate a Senior Teacher as coordinator of internal evaluations. This coordinator shall make arrangements for giving awareness of the internal evaluation components to students immediately after commencement of first semester

The internal evaluation marks/grades in the prescribed format should reach the University before the 4th week of October and March in every academic year.

## **18. EXTERNAL EXAMINATION**

The external examination of all semesters shall be conducted by the University at the end of each semester.

- Students having a minimum of 75% average attendance for all the courses only can

register for the examination. Condonation of shortage of attendance to a maximum of 10 days in a semester subject to a maximum of 2 times during the whole period of the programme may be granted by the University on valid grounds. This condonation shall not be counted for internal assessment. Benefit of attendance may be granted to students attending University/College union/Co-curricular activities by treating them as present for the days of absence, on production of participation/attendance certificates, within one week, from competent authorities and endorsed by the Head of the institution. This is limited to a maximum of 10 days per semester and this benefit shall be considered for internal assessment also. Those students who are not eligible even with condonation of shortage of attendance shall repeat the **semester** along with the next batch after obtaining readmission.

- Benefit of attendance may be granted to students attending University/College union/Co-curricular activities by treating them as present for the days of absence, on production of participation/attendance certificates, within one week, from competent authorities and endorsed by the Head of the institution. This is limited to a maximum of 10 days per semester and this benefit shall be considered for internal assessment also.
- Those students who are not eligible even with condonation of shortage of attendance shall repeat the course along with the next batch.
- There will be no supplementary exams. For reappearance/ improvement, the students can appear along with the next batch.
- Student who registers his/her name for the external exam for a semester will be eligible for promotion to the next semester.
- A student who has completed the entire curriculum requirement, but could not register for the Semester examination can register notionally, for getting eligibility for promotion to the next semester.
- A candidate who has not secured minimum marks/credits in internal examinations can re-do the same registering along with the University examination for the same semester, subsequently.

## **19. PATTERN OF QUESTIONS**

Questions shall be set to assess knowledge acquired, standard and application of knowledge, application of knowledge in new situations, critical evaluation of knowledge and the ability to synthesize knowledge. The question setter shall ensure that questions covering all skills are set. She/he shall also submit a detailed scheme of evaluation along with the question paper. A question paper shall be a judicious mix of short answer type, short essay type

/problem solving type and long essay type questions.

### 19.1. Pattern of questions for External examination – Theory paper

Question Type	Total no. of questions	Number of questions to be answered	Marks of each question	Total marks
Very short answer type	12	10	2	20
Short answer (Not to exceed 60 words)	9	6	5	30
Long essay	4	2	15	30
<b>TOTAL</b>	<b>25</b>	<b>18</b>		<b>80</b>

### 19.2. Pattern of questions for External Examination – AOC

Question Type	Total no. of questions	Number of questions to be answered	Marks of each question	Total marks
Theory Assessment- Short Answer Type	8	5	4	20
Skill Assessment- Practical	1	1	60	60
<b>TOTAL</b>	<b>9</b>	<b>6</b>		<b>80</b>

### 19.3. Mark division for external AOC/ LAB examination

Record	Theory/ Procedure/ Design	Activity/ Neatness	Result	Viva	Total
10	10	20	10	10	60

## **20. RANK CERTIFICATE**

The University publishes rank list of top 10 candidates for each programme after the publication of 6<sup>th</sup> semester results. Rank certificate shall be issued to candidates who secure positions from 1<sup>st</sup> to 3<sup>rd</sup> in the rank list. Candidates who secure positions from fourth to tenth in the rank list shall be issued position certificate indicating their position in the rank list.

Candidates shall be ranked in the order of merit based on the CGPA scored by them. Grace marks awarded to the students should not be counted fixing the rank/position. Rank certificate and position certificate shall be signed by the Controller of Examinations.

## **21. MARK CUM GRADE CARD**

The University shall issue to the students grade/marks card (by online) on completion of each semester, which shall contain the following information:

- Name of University
- Name of the College
- Title & Model of the B. VOC Programme
- Semester concerned
- Name and Register Number of student
- Code, Title, Credits and Max. Marks (Int, Ext & Total) of each course opted in the semester
- Internal marks, External marks, total marks, Grade, Grade point (G) and Credit point in each course in the semester
- Institutional average of the Internal Exam and University Average of the External Exam in each course.
- The total credits, total marks (Max & Awarded) and total credit points in the semester (corrected to two decimal places)
- Semester Credit Point Average (SCPA) and corresponding Grade
- Cumulative Credit Point Average (CCPA)

The final Grade/mark Card issued at the end of the final semester shall contain the details of all courses taken during the entire programme and shall include the final grade/marks scored by the candidate from 1<sup>st</sup> to 5<sup>th</sup> semester, and overall grade/marks for the total programme.

## **22. READMISSION**

Readmission will be allowed as per the prevailing rules and regulations of the university. There shall be **3 level monitoring** committees for the successful conduct of the scheme. They are:

1. Department Level Monitoring Committee (DLMC), comprising HOD and two senior-most teachers as members.
2. College Level Monitoring Committee (CLMC), comprising Principal, Dept. Co-Ordinator and A.O/Superintendent as members.
3. University Level Monitoring Committee (ULMC), headed by the Vice – Chancellor and Pro–Vice – Chancellor, Convenors of Syndicate subcommittees on Examination, Academic Affairs and Staff and Registrar as members and the Controller of Examinations as member - secretary.

## **23. TRANSITORY PROVISION**

Notwithstanding anything contained in these regulations, the Vice Chancellor shall, for a period of one year from the date of coming into force of these regulations shall be applied to any programme with such modifications as may be necessary.

## **SCHEME AND SYLLABUS FOR B.VOC FASHION TECHNOLOGY AND MERCHANDISING**

The University Grants Commission (UGC) has launched a scheme on skills development based higher education as part of college/university education, leading to Bachelor of Vocation (B.Voc.) Degree with multiple exits such as certificate/ Diploma/Advanced Diploma under the NSQF (National skill Qualifications framework). The B.Voc. Programme is focused on universities and colleges providing undergraduate studies which would also incorporate specific job roles along with broad based general education. This would enable the graduates completing B.Voc. to make a meaningful participation in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge.

The proposed vocational programme in B. Voc Fashion Technology and Merchandising will be a judicious mix of skills, professional education related to Fashion Designing, Merchandising, Visual Merchandising, Entrepreneurship development and also appropriate content of general education. It is designed with the objective of equipping the students to cope with the emerging trends and challenges in the field of Fashion Technology and Merchandising.

### **24. OBJECTIVE**

- To provide judicious mix of skills relating to a profession and appropriate content of general education.
- To ensure that the students have adequate knowledge and skills, so that they are work ready at each exit point of the programme.
- To provide flexibility to students by means of pre-defined entry and multiple exit points.
- To integrate NSQF within the undergraduate level of higher education in order to enhance

employability of the graduates and meet industry requirements. Such graduates apart from meeting the needs of local and national industry are also expected to be equipped to become part of the global workforce.

- To provide vertical mobility to students coming out of:
  - 10+2 with vocational subjects
  - Community Colleges.

### **25. ELIGIBILITY FOR ADMISSION AND RESERVATION OF SEATS**

The eligibility condition for admission to B.voc programme shall be 10+2 or its equivalent. Eligibility of admission, Norms for admission, reservation of seats for various B.Voc Programmes shall be according to the rules framed by the University from time to time.

## 26. CURRICULUM

The curriculum in each of the years of the programme would be a suitable mix of general education and skill development components.

## 27. PROGRAMME STRUCTURE

The B.Voc Fashion Technology and Merchandising shall include:

- ❖ General Education Components
- ❖ Skill Components
- ❖ Project
- ❖ Internship
- ❖ Industrial Training
- ❖ Familiarisation Trips
- ❖ Soft Skills and Personality Development Programmes

## 28. CREDIT CALCULATION

The following formula is used for conversion of time into credit hours.

- ❖ One Credit would mean equivalent of 15 periods of 60 minutes each, for theory, workshops/labs and tutorials;
- ❖ For internship/field work, the credit weightage for equivalent hours shall be 50% of that for lectures/workshops;

## 29. COURSE STRUCTURE

NSQF Level	Skill Component Credits	General Education Credits	Normal Calendar Duration	Exit Points / Awards
Level 7	36	24	Six semesters	B.Voc
Level 6	36	24	Four semesters	Advanced Diploma
Level 5	18	12	Two semesters	Diploma
Level 4	18	12	One semester	Certificate
TOTAL	108	72		

As per the UGC guidelines, there are multiple exit points for a candidate admitted in this course. If he/she is completing all the six semesters successfully, he/she will get B. Voc degree in Fashion Technology and Merchandising. If he/she is completing the first four



semesters successfully, he/she will get an Advanced Diploma in Fashion Technology and Merchandising. If he/she is completing the first two semesters he/she will get a Diploma in Fashion Technology and Merchandising. If he/she is completing the first semester successfully, he/she will get a certificate in Fashion Technology and Merchandising. B.Voc Degree holder is expected to acquire the skills needed for a Fashion Designer / Merchandiser / Export Manager / Boutique Manager / Visual Merchandiser /Entrepreneur.

## PROGRAMME STRUCTURE

<b>Semester – I</b>					
<b>Sl. No.</b>	<b>Course Code</b>	<b>Title</b>	<b>GC/SC</b>	<b>Hrs./Week</b>	<b>Credits</b>
1	BOCG101	Listening and Speaking Skills in English (T)	GC	4	4
2	BOCG102	IT For Business (AOC)	GC	3	4
3	FTMG103	Introduction to Fashion Business (T)	GC	3	4
4	FTMS8104	Fundamentals of Textiles(AOC)	SC	5	6
5	FTMS105	Introduction to Fashion Art (AOC)	SC	5	6
6	FTMS106	Project – 1 – Home Furnishing	SC	5	6

<b>Semester – II</b>					
<b>Sl. No.</b>	<b>Course Code</b>	<b>Title</b>	<b>GC/SC</b>	<b>Hrs./Week</b>	<b>Credits</b>
1	BOCG201	Writing and Presentation Skills in English (T)	GC	4	4
2	FTMG8202	History of Western Costume (AOC)	GC	4	4
3	FTMG203	Machinery and Equipment (T)	GC	5	4
4	FTMS204	Elements of Fashion Design (AOC)	SC	6	6
5	FTMS8205	Pattern Making and Garment Construction – (AOC)	SC	6	6
6	FTMS206	Internship – I (Garment Making Unit)	SC		6

**Semester – III**

Sl. No.	Course Code	Title	GC/SC	Hrs./Week	Credits
1	BOCG301	Principles of Management (T)	GC	4	4
2	FTMG302	Fashion Merchandising and Marketing (T)	GC	3	4
3	FTMG303	World Costume- II (AOC)	GC	3	4
4	FTMS304	Draping (AOC)	SC	5	6
5	FTMS305	Pattern Making, Grading and Garment Construction – Women’s Wear (AOC)	SC	5	6
6	FTMS306	Project – II - Women’s Wear	SC	5	6

**Semester – IV**

Sl. No.	Course Code	Title	GC/SC	Hrs./Week	Credits
1	BOCG401	Soft Skills and Personality Development (T)	GC	4	4
2	FTMG402	Export Procedures and Documentation (T)	GC	4	4
3	FTMG403	Advanced Fashion Illustration (AOC/Practical)	GC	5	4
4	FTMS404	Computer Aided Design (AOC)	SC	6	6
5	FTMS405	Pattern Making and Garment Construction - Kid's Wear (AOC)	SC	6	6
6	FTMS406	Internship – II (Export House)	SC		6

<b>Semester – V</b>					
<b>Sl. No.</b>	<b>Course Code</b>	<b>Title</b>	<b>GC/SC</b>	<b>Hrs./Week</b>	<b>Credits</b>
1	BOCG501	Environmental Studies (T)	GC	4	4
2	FTMG502	Fashion Forecasting (AOC)	GC	3	4
3	FTMG503	Art Appreciation (AOC)	GC	3	4
4	FTMS504	Accessory Designing (AOC/Practical)	SC	5	6
5	FTMS505	Pattern Making and Garment Construction - Men's Wear (AOC)	SC	5	6
6	FTMS506	Project – III - Kid's Wear	SC	5	6

<b>Semester – VI</b>					
<b>Sl. No.</b>	<b>Course Code</b>	<b>Title</b>	<b>GC/SC</b>	<b>Hrs./Week</b>	<b>Credits</b>
1	BOCG601	Entrepreneurship Development (T)	GC	4	4
2	FTMG602	Cost Accounting for Apparel Industry (T)	GC	4	4
3	FTMG603	Visual Merchandising (T)	GC	5	4
4	FTMS604	Thematic Line Development (AOC/Practical)	SC	6	6
5	FTMS605	Portfolio Presentation (AOC/Practical)	SC	6	6
6	FTMS606	Internship – III ( Visual Merchandising)	SC		6

\*GC – General Component

\*SC –Skill Component

## Qualification Pack Details

### Year I

After completion of first year students can work as Fashion Designers, Production Supervisors, Embroidery Designers etc.

1<sup>st</sup> Year Syllabus is aligned with NSQF Qualification Pack: Fashion Designer  
NSQF Level: 5

National Occupational standards for Fashion Designer:

1. AMH/N1201 (Prepare to make a design collection)
2. AMH/N1202 (Prepare prototype garments for the collection)
3. AMH/N1203 (Evaluate the design development process)
4. AMH/N1204 (Maintain work area, tools & machines)
5. AMH/N1205 (Maintain health, safety and security at workplace)

### Year II

After completion of 2nd year the students can work as Design Managers, Merchandisers and Export Managers

2<sup>nd</sup> Year syllabus is designed to meet the National Occupational Standards for NSQF Qualification Pack: Export Manager

NSQF Level: 6

National Occupational standards for Export Manager:

1. AMH/N 1606 (Planning for export)
2. AMH/N 1608 (Manage export processes and check documentation)
3. AMH/N 1609 (Supervise and evaluate performance)
4. AMH/N 1607 (Ensure shipping compliance)
5. AMH/N 1601 (Manage export marketing operations)
6. AMH/N 0104 (Comply with industry, regulatory and organisational requirements)
7. AMH/N 1604 (Analyse foreign trade logistics)
8. AMH/N 1605 (Maintaining a healthy, safe and secure working environment in the organisation)

### Year III

After completion of 3<sup>rd</sup> year the students can start their own business or work as Boutique Managers, Design Directors, Stylists, Costume Designers e.t.c

Syllabus is designed to meet the National Occupational Standards for NSQF Qualification Pack:

Boutique Manager

NSQF Level : 7

National Occupational Standards for Boutique Manager:

1. AMH/N1910 (Create design as per latest trends and establish customer needs)

2. AMH/N1911 (Allocate and check works assigned to subordinates and manage and monitor boutique performance)
3. AMH/N1912 (Build and monitor team performance)
4. AMH/N1913 (Maintain health, safety and security in the boutique)
5. AMH/N0104 (Comply with industry, regulatory and organizational requirements)

## **B.Voc Fashion Technology and Merchandising**

### **Detailed Syllabus**

#### **BOCG101 - LISTENING AND SPEAKING SKILLS IN ENGLISH**

**Total credits :4**

**Hours/week :4**

**Speech Sounds:** Phonemic symbols – Vowels – Consonants – Syllables – Word stress – Stress in polysyllabic words – Stress in words used as different parts of speech – Sentence stress – Weak forms and strong forms – Intonation

**Sample activities:**

- *Practice reading aloud. Use a variety of texts including short stories, advertisement matter, brochures, etc.*
- *Read out a passage and ask the students to identify the stressed and unstressed syllables.*

#### **MODULE II**

**Basic Grammar:** Articles - Nouns and prepositions - Subject-verb agreement -

Phrasal verbs - Modals - Tenses - Conditionals – Prefixes and suffixes – Prepositions - Adverbs – Relative pronouns - Passives - Conjunctions - Embedded questions - Punctuation – Abbreviations-concord- collocations-phrasal verbs- idiomatic phrases

**Sample activities:**

- *Ask students to write a story/report/brochure, paying attention to the grammar.*

#### **MODULE III**

**Listening:** Active listening – Barriers to listening – Listening and note taking – Listening to Announcements – Listening to news on the radio and television.

**Sample activities:**

- *Information gap activities (e.g. listen to a song and fill in the blanks in the lyrics given on a sheet)*
- *Listen to BBC news/ a play (without visuals) and ask the students to report what they heard.*

#### **MODULE IV**

**Speaking-** Fluency and pace of delivery – Art of small talk – Participating in conversations – Making a short formal speech – Describing people, place, events and things – Group discussion skills, interview skills and telephone skills.

### **Sample activities:**

1. Conduct group discussion on issues on contemporary relevance.
2. Ask students to go around the campus and talk to people in the canteen, labs, other departments etc. and make new acquaintances.
3. Conduct mock interviews in class.
4. Record real telephone conversations between students and ask them to listen to the recordings and make the corrections, if any are required.

## **MODULE V**

**Reading:** Theory and Practice – Scanning – Surveying a textbook using an index – reading with a purpose – Making predictions – Understanding text structure – Locating main points – Making inferences – Reading graphics – Reading critically – Reading for research.

### **Books for Reference**

- 1- V.Sasikumar, P Kiranmai Dutt and Geetha Rajeevan, *.Communication Skills in English*.Cambridge University Press and Mahatma Gandhi University.
- 2- Marilyn Anderson, Pramod K Nayar and Madhucchandra Sen. *Critical Thinking,Academic Writing and Presentation Skills*. Pearson Education and Mahatma Gandhi University.

### **For Further Activities**

1. *A Course in Listening and Speaking I & II*, Sasikumar, V.KiranmaiDutt andGeetha Rajeevan, New Delhi: CUP, 2007
2. *Study Listening: A Course in Listening to Lectures and Note-taking* Tony Lynch New Delhi: CUP, 2007.
3. *Study Speaking: A Course in Spoken English for Academic Purposes*. Anderson, Kenneth, Joan New Delhi: OUP, 2008



## SEMESTER-I

### BOCG102 -IT FOR BUSINESS

**Total credits :4**

**Hours/week :3**

#### Module I

**Introduction to Information Technology:** Information and Communication Technology (ICT), Information systems E-World - Computer Architecture: Input Hardware - Processing & Memory Hardware, Storage Hardware, Output Hardware, Communication Hardware - Concept of operating system - Understanding your computer customization configuring screen, mouse, printer.

#### Module II

**Word Processing Package:** Introduction - Features - Word User Interface Elements; Creating new Documents; Basic Editing, Saving a Document; Printing a Document; Print Preview, Page Orientation - Viewing Documents; Setting tabs - Page Margins; Indents; Ruler, Formatting Techniques; Font Formatting, Paragraph Formatting; Page Setup; Headers & Footers; Bullets and Numbered List; Borders and Shading; Find and Replace; Page Break & Page Numbers; Mail Merging-Spelling and Grammar Checking; Tables; Formatting Tables;

#### Module III

**Spread sheet Package:** Introduction, Excel User Interface, Working with cell and cell addresses, Selecting a Range, Moving, Cutting, Copying with Paste, Inserting and Deleting cells, Freezing cells, Adding, Deleting and Copying Worksheet within a workbook, Renaming a Worksheet. Cell Formatting Options, Formatting fonts, Aligning, Wrapping and Rotating text, Using Borders, Boxes and Colors, Centering a heading, Changing row/column height/width, Formatting a Worksheet Automatically, Insert Comments, Clear contents in a cell. Using print Preview, Margin and Orientation, Centering a Worksheet, Using header and footer.

#### Module IV

**Advanced Features of Spread sheet Package:** All Functions in Excel, Using Logical Functions, Statistical functions, Mathematical etc. Elements of Excel Charts, Categories, Create a Chart, Choosing chart type, Edit chart axis - Titles, Labels, Data series and legend, Adding a text box, Rotate text in a chart, Saving a chart.

## **Module V**

**Presentation Package:** Ms-PowerPoint: Advantages of Presentation Screen layout creating presentation inserting slides adding sounds & videos-formatting slides -slide layout views in presentation -slide transition Custom animation Managing slide shows - using pen Setting slide intervals

### **Books for Reference:**

1. Antony Thomas. Information Technology for Office. Pratibha Publications
2. Gini Courter & Annette Marquis. Ms-Office 2007: BPB Publication

## SEMESTER I

### FTMG103 INTRODUCTION TO FASHION BUSINESS

**Total credits :4**

**Hours/week :3**

#### Objectives

- *To introduce students to growth of fashion industry.*
- *To familiarize students with all major international and Indian Fashion designers and their styles of work.*
- *To familiarize students with fashion related terms*
- *To create awareness amongst students about the domestic and export garments industries and the various career opportunities and diversification possibilities in the field of fashion*

#### Module I

- **Purpose of clothing**-protection, communication and decoration.
- **Fashion Terminologies**-accessories, advertising, alta moda, apparel, balance, boutique, classic, collection, CAD, CAM, CIM, consumer, couture, custom made, designer, FAD, fashion, retailing, grading, market, silhouette, draping, sustainable fashion, texture
- Fashion Cycles.
- Adoption Theories of fashion- trickle up theory, trickle-down theory, trickle across theory

#### Module II

- **Growth of Couture**- Evolution of the international fashion industry, designers of the 20th century, factors leading to mass production of clothing and development of Ready to wear industry.
- **Factors affecting fashion** – effects of social, cultural, political, artistic, economic, global and technological changes on fashion. Industrial revolution, growth, of middle class, growth of leisure activities, women at work
- **World War I**, great depression, Hollywood influence on fashion, World War II ethnic fashion, physical fitness, globalization, recession

### Module III

- **Fashion Forecasting**- Short term forecasting and Long-term Forecasting
- Seasons of Fashion.
- Fashion services and resources.
- Design Sources.
- International Fashion centers.
- **Fashion Markets** – Domestic and International market

### Module IV

- **Fashion Advertising** - Types and Medias of Advertising.
- **Special events**-fashion shows, exhibitions, trade fairs.
- World Trade Organization
- **Consumer Buying Behavior**- Customer Profile Defining the consumer by- Sex, Age, Size, Economic status, Seasons, Location.

### Module V

- **Clothing categories** in Men's wear, Women's wear & Kids wear.
- **Fashion Accessories**-footwear, handbags, belts, gloves, hats, scarves, hosiery, jewelry, watches (To be covered as presentations by student groups).
- **Indian & international trendsetting fashion designers** (To be covered as presentations by individual students)

## **Suggested Readings**

Gini Stephens Frings, (2007), Fashion from Concept To Consumer,

United States, Prentice Hall Publishers.

- Kitty G. Dickerson, (2003), Inside the Fashion Business, Singapore, Pearson Education.
- Helen Gowork, ( 2007), Fashion Buying, United States, Wiley – Blackwel Publishers.
- MeherCastelino, (1994),Fashion Kaleiodoscope, India, BPI India Pvt. Ltd.
- Harold Carr and John Pomerot, (1992), Fashion Design and Product Development, United States, Blackwell Science Inc.
- Suzanne Marshall, Hazel Jackson and M. Sue Stanley, (2011), I

## SEMESTER-I

### FTMS8104 -FUNDAMENTALS OF TEXTILES

**Total credits :6**

**Hours/week :5**

#### **Objectives:**

- To gain knowledge about textile fibres and their uses.
- To develop an understanding about various kinds of fabrics, their structure and the utility.
- To impart knowledge about Textile dyeing and printing.
- To develop skill in understanding textiles available in the market.
- To teach the basic hand embroidery techniques, surface designing and other ornamentation techniques.

#### **Module I**

Introduction to Textiles and terminology

Fibre: Classification according to source – Natural and Man-made, Basic fibre properties, Identification, properties, end uses and care of textile fibres: Cotton, Silk, Wool, Jute, Rayon, Polyester, Nylon.

Yarn: Definition, types of spinning, yarn count, yarn twist, classification and uses.

Sewing Threads- Properties & Uses

#### **Module II**

Fabric Construction Methods:

Weaving- Types of weaves

Knitting – Classification

Non-woven

#### **Module III**

Finishes- definition, importance, classification according to durability and function.

Preparatory Finishes: Sizing, Singeing, De-sizing, Scouring, Bleaching, Mercerization, Calendaring, Tendering.

Aesthetic Finishes: Heat Setting, Napping

Functional Finishes: Water repellent and Water proof finishes

Dyeing & printing- Definition

Classification of dyes –Natural and synthetic (acid, basic, direct, sulphur, vat, naphthol, disperse, reactive)

Stages of dyeing –fibre, yarn, fabric, product

Printing - direct, resist, discharge, jet, heat transfer

## **Module IV**

Surface Ornamentation

Hand Stitches:- Running stitch, Back stitch, Stem stitch, Chain stitch, Lazy daisy stitch, Buttonhole stitch, Feather stitch, Herringbone stitch, Bullion knot stitch, French knot stitch, Satin stitch.

Traditional Indian Embroidery :- Kantha of West Bengal, Kutch and Mirror work of Gujarat, Chikankari of Uttar Pradesh, Kasuti of Karnataka, Kashida of Kashmir.

Other techniques of Fabric Ornamentation: - Fabric painting (Techniques like Filling, Shading, dry brush)

Smocking- Honeycomb, Gathered with embroidery

## **Module V**

Traditional textiles of India: Dacca Muslins, Chanderi, Patola, Paithani, Himurs, Armus, Baluchar Buttedar, Banaras, Kashmir shawls, Pochampalli, Bandhani, Kalamkari, Ajarkh, Kanchipuram, Kerala Handloom etc.

Common fabric names: calico, muslin, taffeta, cambric, poplin, corduroy, crepe, organza, denim etc.

(Student assignment)

### **Related Experience:**

Students have to submit a record of work done during this semester

### **Books for Reference**

1. Bernard P. Corbman, Textiles Fiber To Fabric, McGraw Hill Publications, New York
2. Harriet Hargrave, From Fiber To Fabrics, C & T Publishing, United States
3. Judith Jerde, Encyclopedia of Textiles, Facts on File Inc, New York
4. Hollen N, Textiles, Macmillan publishing company, USA
5. Dr. Navneet Kaur, Comdex Fashion Design: Fashion Concepts - Vol. 1, Dreamtech Press, India
6. Jan Eaton, Complete Stitch Encyclopedia, Barrons Educational Series Inc, USA
7. Vaine. J, The Art of Elegant Hand Embroidery, Embellishment and Applique Landauer Publishing, Urbandale, Iowa, USA
8. Elliot. M, Painting Fabric, Henry Holt and Company, New York
9. Santosh Gupta, KRJ's Indian Ethnic Textile Designs, OM Book International, New Delhi
10. Chattopadhaya, K.D, Handicrafts of India, Wiley Eastern Limited, New Delhi
11. Shukla Das, Fabric Art- Heritage of India, Abhinav Publications, New Delhi

**SEMESTER -I**  
**FTMS105 -INTRODUCTION TO FASHION ART**

**Total credits :6**

**Hours/week :5**

**Objectives:**

To introduce students to:

- *Basic sketching techniques.*
- *Aspects of human anatomy & importance of fashion illustration.*
- *Drawing a fashion figure or a Croqui with proportion.*
- *Various poses required for fashion illustration.*
- *Various mediums for sketching and rendering life forms.*

**Module I**

**Different types of Lines**-vertical, horizontal, diagonal, wavy, zigzag, dotted, dashed, spiral etc. Free hand drawing techniques & related exercises.

Free hand practice of brush & pencil.

**Module II**

Two & three dimensional forms, its composition, perspective & Object shading.

Still life drawings

Introduction to poster paints, watercolors, colour pencils & rotoring ink or Indian ink.

**Module III**

Basic 8 head Croqui.

Basic 10 head Croqui.

$\frac{3}{4}$  pose, side pose & back poses.

**Module IV**

Face block – Front, Side

Fashion face- eyes, ears, nose, mouth & head.

Hair styles



## **Module V**

Croqui analysis- analysing figures from fashion magazines & life.

### **Suggested Readings**

1. John H Vanderpoel, Human Figure, Dover Publications Inc., New York
2. George Brant Bridgeman, Book of Hundred Hands, Dover Publications, New York
3. George Brant Bridgeman, Human Machine-The Anatomical Structure & Mechanism of the Human Body, Dover Publications, New York
4. Bina Abling, Fashion Rendering with Color, Prentice Hall, United States
5. Julian Seaman, Fashion Illustration Basic Techniques, Batsford, London
6. Colin Barnes, Fashion Illustration, Little Brown and Co, New York
7. Erte,Erte's Fashion Designs: 218 Illustrations from 'Harper's Bazar' 1918-1932, Dover Publications Inc, New York
8. Julian Seaman, Foundation in Fashion Design and Illustration, Batsford, London
9. Janet Boyes, Essential Fashion Design, Batsford, London

**SEMESTER I**  
**FTMS106 -PROJECT- I**

**Total credits :6**

**Hours/week :5**

Students have to develop a home furnishing collection and adorn it with any of the surface ornamentation techniques. Students must do this project individually. Project should be worked out through various production stages under the guidance and approval of the supervising faculty/faculties. Students have to complete the project within the given time period, and they should keep all the important paper works (abstract, review of literature, methodology, design, cost sheet, photographs e.tc) along with them.

Students must submit the finished project along with the required paper works and a comprehensive report, to the Head of the Department, before the day of the project evaluation. The project will be evaluated by the external and internal examiners appointed by the University. Delayed, incomplete submissions will be considered as per the University rules.

## **SEMESTER -II**

### **BOCG201 -WRITING AND PRESENTATION SKILLS IN ENGLISH**

**Total credits :4**

**Hours/week :4**

#### **Module I**

Letter Writing: Letters - letters to the editor - resume and covering letters - parts and layout of Business letters - business enquiry letters offers, quotation - orders and execution - grievances and redressal - sales letters - follow-up letters - status enquiry - collection letters - preparation of power of Attorney for partnership - job application letters – resume - CV- reference and recommendation

Letters - employment letters.

#### **Module II**

Other types of Academic and business Communication (written): Seminar papers- project Reports - notices - filling application forms - minutes, agenda-reports-essays.

#### **Module III**

Presentation Skills: Soft skills for academic presentations - effective communication skills – structuring the presentation - choosing appropriate medium – flip charts – OHP – Power Point

presentation – clarity and brevity - interaction and persuasion.

\*Compulsory activity: PowerPoint presentations to be conducted by each student in class

#### **Module IV**

Non-verbal communication-Body language-Kinesics, Proxemics, Para language

Channels-Barriers-Principles of effective communication

#### **Module V**

Online writing and Netiquette- Writing e-mails- use of language – writing for blogs – social media etiquette- professional networking online (LinkedIn, E-factor etc.)

Compulsory activity: Each student should create a blog and/or profile in LinkedIn.

## **Books for Reference**

1. Marilyn Anderson, Pramod K Nayar and Madhucchandra Sen. Critical Thinking, Academic Writing and Presentation Skills. Pearson Education and Mahatma Gandhi University.
2. Antony Thomas, Business Communication and MIS, Pratibha Publications. Bhatia R.C. Business Communication
3. Salini Agarwal Essential communication skill. Reddy P.N, and Apopannia, Essentials of Business communication.
4. Sharma R.C, Krishna Mohan, Business Communication and Report writing Leod, M.C, Management Information system

## SEMESTER-II

### FTMG8202 -HISTORY OF WESTERN COSTUME

**Total credits :4**

**Hours/week :4**

#### **Learning Objectives**

The learning objectives of this unit are:

- Explain how costume develops differently within different cultural environments.
- Identify costumes with reference to time periods and culture.
- Create the realization that costume and fashion history lies in the excavated past of archaeology and art.
- Understand the reasons of costume evolution from necessity-driven basics to flamboyant styles.
- Explain the details of costume, its styles and characteristics with relevant terms.
- Examine the range and diversity of costumes, coiffure and ornaments in various ages in a variety of styles based on classes and communities.

#### **Module I**

Beginning of costume from Paleolithic age to the modern age.

Ancient world- Egyptian costume, Features of Egyptian men's costume and women's costume, importance of headdress

Egyptian body decorations

Egyptian footwear's and accessories

#### **Module II**

Ancient civilizations- Mesopotamian, Sumerians, Babylonians, Assyrians, Persians

Features of their costume

Men's and women clothing

Body decorations and foot wears,

Headwear's and accessories

### **Module III**

Ancient Greek and Roman clothing- men's and women's costume

Head wears, body decorations, foot wears and accessories.

### **Module IV**

Men's and women's costume, features of costume Head Dress & Hairstyle, Footwear and Accessories of: Asiatic Empires – China, and Japan

### **Module V**

Inspire any one of the above ancient costume and culture, create a inspired collection including theme board, mood board and colour board ( the collection can either be in miniature model or in hand drawing)

### **Suggested Reading:- •**

Yarwod.D –(1992)- Fashion in the western world- Trafalgar Square • Bradely C.G – (2013)- Western World Costume – an outline history- Dover Publications • Tierney .T-(2003)- Historic Costume – From ancient times to renaissance –Dover Publications • W. Bruhn and Tilke. M-(1991)- A Pictorial History of costume – Pepin Press

**SEMESTER- II**  
**FTMG203-MACHINERY AND EQUIPMENTS**

**Total credits :4**

**Hours/week :5**

**OBJECTIVES**

- In machinery and equipment's students can understand various textile industry machines and their operating mechanism.
- Sequences of garment construction methods

**Module I**

Sequences of spinning process

Blow room- Function and details of blow room machines

Operation of blow room machines, identifying defects, and cleaning of blow room machines

Carding- Function and details of carding machines

Operating of carding machines, identifying defects and cleaning of machine.

Draw frame – Function and details of draw frame machine, operating draw frame machine, importance of colour coding, identifying defects .

**Module II**

Knitting machines-working principles of circular knitting machines,

Features of circular knitting machines and their function

Weaving – loom, types of loom,-back strap loom , warp weighted loom, draw loom, handloom, flying shuttle, traditional loom.

Power loom- working principles and features

**Module III**

Garment construction sequence,

Pattern grading- methods of grading

Marker making- objectives of marker making methods of marker making( manual and computerized)

Fabric spreading- spreading methods

Cutting- cutting machines – manual and automatic cutting machines

Sorting and bundling

#### **Module IV**

Sewing – sewing machine parts and functions, types of sewing machines, stitching defects and its cause and remedies

Stitch type analysis, classification and their applications : i. 100 Class, ii. 200 Class, iii. 300 Class, iv. 400 Class, v. 500 Class, vi. 600 Class

#### **Module V**

Textile finishing, Classification of Finishing Equipments and their applications : The purpose of pressing, Categories of pressing, Pressing Equipments and methods, Stain removal, Packaging

#### **References**

- Clothing Technology- Europa Lehrmittel 2. Technology of Clothing Manufacture - Harold Carr and Barbara Latham
- A brief history of the sewing machine, ISMACS.

Sewing. Retrieved 2012-12-17.Sewing Machines

Sewing Machine History". Retrieved 2013-12-17.



**SEMESTER II**  
**FTMS204 ELEMENTS OF FASHION DESIGN**

**Total credits :6**

**Hours/week :6**

**Objectives:**

- To familiarize students with the design elements and principles and its application in fashion designing.
- Development of surface rendering techniques, build understanding to visualize different features of garment collectively and understand technical details to produce accurate technical

**Module I**

Types of Design-structural and decorative. (Motif: Realistic, geometrical, Stylized and Abstract)

Design elements-form, shape, space, line, colour and texture.

Principles of design-balance, proportion, emphasis, rhythm and harmony.

**Module II**

Functions of Lines- Introduction to basic lines as means of expression and emotions.

Silhouettes.

Different types of lines & its characteristics.

Use of line in clothing according to body shapes.

Optical illusions created by various combination of lines.

**Module III**

Colour theory- Prang colour system & Munsell.

Colour wheel- primary, secondary and tertiary.

Colour Dimensions-Hue, Value and Chroma.

Colour harmony

Application of colour in clothing.

Seasonal colours.

## **Module IV**

Design development

Making Inspiration, Theme board, Mood boards and Colour boards, Swatch Board, Client Profile

Designing & Making technical sketches

## **Module V**

Basic bodice drawing, its technical details and creating new designs.

Basic skirt drawing, its technical details and creating new designs.

Basic trouser drawing, its technical details and creating new designs.

Salwar Kameez drawing, its technical details and creating new designs

Men's shirt drawing, its technical details and creating new designs.

Children wear drawing, its technical details and creating new designs.

## **Suggested Readings**

1. Dr.Kaur.N, Comdex Fashion Design, Kogent Learning Solutions, New Delhi
2. Suzanne Marshall, Hazel Jackson, M. Sue Stanley, Individuality in Clothing Selection and Personal Appearance (Fashion) Paperback 7 edition, Pearson, UK
3. Sumathy. G, Elements of Design and Apparel design, New Age International Pvt. Ltd, India
4. M.C. Gimsely and Harriot. T, Art and Fashion in Clothing Selection, Nova State Uty. Press, New York.

**SEMESTER-II**  
**FTMS8205- BASIC PATTERN MAKING AND GARMENT CONSTRUCTION**

**Total credits :6**

**Hours/week :6**

**Objectives:**

- To familiarize students with tools and methodologies of pattern making and sewing
- To understand the language of pattern making and develop the ability to create designs through the flat pattern method.
- To enable the students to draft basic bodice block and sleeve block.
- To introduce students to various Industrial Machineries.
- To acquire basic skills of operating industrial sewing machines. To understand basic sewing techniques.
- To teach students various techniques and application of plackets, fasteners, zippers and pockets

**Module I**

Introduction to pattern making, Methods of Pattern making, Pattern Making terminologies, tools

Basic Principles of flat pattern making, how to take body measurements – Taking measurements on dress forms  
Standard Measurement chart

Drafting the basic pattern set –

Basic bodice front and back

Basic Sleeve (Standard size

UK 12).

**Module II**

Introduction to Industrial Sewing Machine- Machine parts, Terminology, Safety Rules, Care and Maintenance

Over lock machine and its application

Basic Hand Stiches: (10”x10”)

Temporary- Even, Uneven, Diagonal Basting

Permanent Stitches- Hemming, Slip stitch, Blanket, Fagotting

Stitching practice - Straight lines, Broken Lines, Cornered Lines, Waves, Concentric circles (10”x10”)

### **Module III**

Seams: Plain, Lapped, Bound, French, Flat Felled

Decorative Seam Finishes: Pinked, Hand Overcast, Over Locked, Bias Bound, Edge Stitch

Hem Finishes: Hand Hemming- Visible, Invisible

Decorative Hem- Piping, Facing, Ruffles

(10"x10")

### **Module IV**

Fullness: Tucks- Blind, Spaced, Pin

Pleats- Knife, Box, Inverted

Gathering, Shirring, Ruffles

Godets

(10"x10")

Pockets- Patch, Inseam, Welt

Plackets - Continuous Placket, Tailored Placket and Inseam Placket.

Fasteners - Button Attachments, Button Hole, Hook and Eye, Press Button, Velcro and Zipper application (Exposed zipper application, lapped zipper application and open end zipper application).

### **MODULE V**

Sleeves: - Attachment of Sleeves to the bodice - Puff at hem and cap with piping at hem, Petal sleeve with faced hem, Shirt sleeve with French cuff. [For sleeve attachment Centre front to Centre back bodice (i.e. one side) is enough.]

### **Suggested Readings**

1. Pleasantville, Complete guide to Sewing - The Reader's Digest Association Inc., New York/Montreal, Canada.
2. Cooklin. G, Garment Designing for Fashion Designers, Blackwell, USA
3. Bray Natalie, Dress fitting, OM Books Service
4. Armstrong Joseph Hellen, Pattern Making for Fashion Designing, Pearson, UK
5. Gillian Holman, Pattern Cutting made easy, B.T. Batsford Ltd., London

## **SEMESTER- II**

### **FTMS206-INTERNSHIP - I**

**Total credits :6**

After the completion of the second semester, the students will have to undergo a minimum of two weeks' internship programme. It will be in a garment industry, boutique or under the guidance of a recognized Fashion Designer to understand various steps and techniques involved in creation of a fashion collection.

Students can choose a firm/boutique /label/ studio in India or abroad for their internship. College will provide a certificate to prove their identity. A member of the faculty will supervise the student during the internship.

Firm must have a minimum of two years' exposure in apparel designing and production.

At the end of the internship, the students should prepare a comprehensive report. The report and the specimens of the work done by the student should be attested by the organization. Student should also produce a certificate of internship from the organization. All the above details should be submitted to the Head of the Department for evaluation.

**SEMESTER III**  
**BOCG301 PRINCIPLES OF MANAGEMENT**

**Total credits :4**

**Hours/week :4**

**Objective:** *This course is a basic introductory and foundational management course. It is designed for students who desire to equip themselves with key knowledge, skills, and competencies in various aspects of management. The course encompasses the core components of management including planning, organizing, leading and controlling the organizations*

**MODULE – I**

**Nature and Process of Management:** Schools of Management Thought – Management Process School, Human Behavioural School, Decision Theory School, Systems Management School, Contingency School – Managerial Role – Basics of Global Management.

**MODULE – II**

**Planning:** Objectives – Types of plans - single use plan and repeated plan – MBO, MBE– strategic planning and formulation. Decision making - types and process of decision making – forecasting.

**MODULE – III**

**Organising:** Types of organisation - formal and informal, line and staff, functional – organisation structure and design – span of control, delegation and decentralisation of authority and responsibility – organisational culture and group dynamics.

**MODULE – IV**

**Staffing:** Recruitment, Selection, Induction, Training, Maintenance and retrenchment Systems approach to HRM – Performance appraisal and career strategy – HRD - meaning and concept.

## MODULE – V

**Directing:** Motivation – meaning - need for motivation. Theories of motivation - Herzberg and McGregor. Leadership- importance – styles of leadership, Managerial Grid by Blake and Mouton, Leadership as a Continuum by Tannenbaum and Schmidt  
Path Goal Approach by Robert House (in brief) **Controlling** - Concept, Significance, Methods of establishing control.

### ***Books for Reference:***

1. Moshal.B.S .*Principles of Management*, Ane Books India,NewDelhi.
2. Bhatia R.C. *Business Organization and Management*, Ane Books Pvt. Ltd.,NewDelhi.
3. Richard Pettinger. *Introduction to Management* , Palgrave Macmillan, NewYork.
4. **Koontz and O'Donnel.** *Principles of Management* ,Tata McGraw-Hill Publishing Co.Ltd. NewDelhi.
5. Terry G.R. *Principles of Management*, D.B.Taraporevala Sons &Co.Pvt.Ltd.,Mumbai.
6. Govindarajan.M and Natarajan S. *Principles of Management*, PHI, NewDelhi.
7. MeenakshiGupta .*Principles of Management*, PHI, NewDelhi.

## SEMESTER III

### FTMG302 FASHION MERCHANDISING AND MARKETING

**Total credits :4**

**Hours/week :3**

#### **Objectives**

- *To develop and understanding of the merchandiser, and merchandising departments in the apparel industry.*
- *Understand the potential and limitation of textile industry from a fashion designers' point of view.*
- *Developing the expertise for appropriate selection of fabrics, trims, and other materials keeping the design/ style/ market in perspective.*

#### **Module I**

##### **Introduction to Merchandising-**

- Merchandise :meaning, types- staple ,fashion, seasonal, FAD
- Definition of merchandising.
- Objectives of merchandising,
- Six Rights of Merchandising.
- Role, Requirements, Responsibilities and Qualities of a merchandiser
- **Communication skills-** communication with buyer and coordination with different departments of a factory.

#### **Module II**

- **Types of Merchandising-**Export Merchandising, (Garment merchandiser, Fabric merchandiser Retail Merchandising, Visual Merchandising
- **Scope of merchandising**
- **Terminologies-** CMT, converters, customer profile, GSM, lead time, mark up, mark down, Range planning, Sub-contractor, Vendor, Sampling, Production order, Sampling Lab Dip, open order, back Order, Bill of material (BOM),Order status report.

#### **Module III**

- **An overview of textile industry**
- **Different sectors of Indian textile industry-** mill sector/organized sector, power loom



sector/semi organized sector, Hand loom sector/unorganized sectors/co-operatives

- Organizing the showroom, showroom vocabulary.
- **Sourcing:** Types- Domestic and offshore sourcing.
- **Merchandising process flow in apparel industry:** Buyer sourcing & communication- Enquiry- Order Confirmation – Order review and its importance -Planning & Programming :Master Planning, Scheduling or route card- Factors for rout card

#### **Module IV**

- **Fashion Marketing:** – Definition, functions
- **Marketing Mix** – Product, Price, Place, and Promotion
- Marketing calendar
- **Marketing Strategy** – Segmentation, Targeting and Positioning

#### **Module V**

- **Fashion retailing** – Retail strategies, Store based retailers, Retail organization, Multiple store unit, Types of ownership, Non-store retailing
- **Fashion Brands-** Definitions, Purpose of Branding, Brand Name, Brand Licensing, Brand canvas, Types of brands, Brands License, Trade Mark,

#### **Reference**

- Brad Jackson, (2001), *Management Gurus and Management Fashion*, London, Routeledge Publications.
- Jeanette Jarnow, (1968), *Inside the Fashion Business*, New York, Rizzoli International Publication.
- Michael Easy, Thompson, Sharon, Williams and John, (2008), *Fashion Marketing*, London, Blackwell Scientific Publication.
- Helen Goworek, (2007), *Fashion Buying*, UK, John Wiley and sons Ltd.
- Jay Diamond & Gerald Pintel, (2013), *Retail Buying*, New York, Prentice Hall Publications

**SEMESTER III**  
**FTMG303 WORLD COSTUME II**

**Total credits :4**

**Hours/week :3**

**Objectives**

*The learning objectives of this units are:*

- *Identify costumes with reference to time period and culture.*
- *Create the realization that costumes, and fashion history lies in the excavated past of archeology and art*
- *Understand the reason of costume evolution from necessity driven basics to flamboyant styles.*
- *Explain the details of costume, its styles and characteristics with relevant terms.*
- *Examine the range and diversity of costumes, coiffure and ornaments in various ages in a variety of styles based on classes and communities.*
- *Explain how costume develops differently within different cultural environments.*

**Module I**

- **Costumes and Accessories of China and Japan**
- Sketch and colour : Costumes (male and female), Footwear's, Accessories and Jewelry

**Module II**

- **Costumes and Accessories of Byzantium**
- Sketch and colour : Costumes (male and female), Footwear's, Accessories and Jewelry

**Module III**

- **Costumes and Accessories of Gothic**
- **Renaissance- French Costumes – Farthingale**
- Sketch and colour : Costumes (male and female), Footwear's, Accessories and Jewelry

**Module IV**

- **Ancient Indian Costumes and Accessories**
- Sketch and colour : Costumes (male and female), Footwear's, Accessories and Jewelry

## **Module V**

Inspired by any one of the above ancient costumes and culture, create a Collection including Theme board, Mood Board, and Colour Board (the Collection can Sketched with suitable Colour Mediums).

### **Suggested Reading:**

- Doreen Yarwood, (1993)- *Fashion in the western world*, London, Botsford Ltd.
- Carolyn G. Bradley (2001)- *Western World Costume - An Outline History*, New York, Dover Publications
- Tom Tierney (2003)- *Historic Costume- From ancient times to renaissance*, New York, Dover Publications

Wolfgang. Brune and Max Tilke, (2004)- *A Pictorial History of costume from Ancient Times Nineteenth Century*, New York, Dover Publications

**SEMESTER III**  
**FTMS304 DRAPING**

**Total credits :6**

**Hours/week :5**

**Objectives:**

*To teach the basic principles of draping and to construct garments using draping*

**Module I**

- Introduction to draping and dress forms
- Preparation of fabrics
- Basic Front and Back bodice

**Module II**

- **Dart manipulation** (French dart/ Centre front dart/ Straight side dart/ mid armhole dart)

**Module III**

- **Bodice variations**- surplice front, halter
- Princess bodice and variation.
- Basic Front Cowl
- Yokes & fitted midriff: Bodice yoke, fitted midriff

**Module IV**

- Basic Front and Back Skirt
- **Skirt variations** – Skirt with yoke and gathers, Pegged skirt (any one)
- Basic Front and Back Torso.

**Module V**

- Design and construct a garment using draping method

**References**

1. Helen Joseph Armstrong, Draping for Apparel Design, Fairchild Publication, New York
2. Connie Amaden and Crawford , The Art of Fashion Draping, Fairchild Publication, New York
3. Nurie Relis/ Hilde Jaffe, Draping for fashion design, Reston publishing co.
4. Dawn Cloake, Designs cutting and draping for special occasion clothes: for evening wear

## SEMESTER III

### FTMS305 -PATTERN MAKING, GRADING AND GARMENT CONSTRUCTION- WOMEN'S WEAR

**Total credits :6**

**Hours/week :5**

#### Objectives

- *To teach the students basic fundamentals of kid's wear and Women's wear* □
- *To enable students to do the proper layout of paper drafts on the fabric and to make maximum usage of fabric with minimum wastage.*

#### Module I

Introduction – Appropriate laying of paper patterns on fabric, maximum utilization of fabric, accurate cutting and preparation for sewing.

Fit: Types, common fit problems and rectification methods

- **Neckline finishes** – Piping, double layer binding in basic plain jewel neck [Neck width 2 ½ “and depth 3”]
- Neckline finishing using facing and fusing (Neckline samples size should be of 12” x 12”)
- ‘U’ neck, ‘V-neck, Square neck, Sweet heart neck, Horse shoe neck and Bateau neck.
- [Neck width and depth for ‘U’neck, ‘V’neck and Square neck is 3”width and 6”depth. For sweet heart neck and horse shoe neck is 2 ½ “width and 6”depth. For bateau neck 4 ½ width and 3 ½ “depth]

#### Module II

- **Draft paper pattern and construct Skirts - Wrap around skirt, Godet skirt** (4 godets or 6 godets), **Gore skirt** (8 or 12 gore) **Circular skirt** (full circular skirt)
- Draft paper pattern and construct a variation of any of the above mentioned

#### MODULE III

- Draft paper pattern and construct **Kameez**, check for fall and fit
- Draft paper pattern and construct **saree blouse**, check for fall and fit

## **MODULE IV**

- Draft paper pattern and construct **Salwar, churidar** and check fit
- Draft paper pattern and construct **Cowl** and check fit

## **MODULE V**

Draft paper pattern and construct a garment according to current trend

## **Reference**

- Sodhia.M (2007)- Garment Construction – Kalyani Publisher Ludhiana Punjab
- Singh B- Clothing Textiles And Garment Production
- VastraVigyanEvamParidhan
- Zarakkar.K.R(2008)-Zarakkar system of cutting- Navaneeth Publishing,India

## **SEMESTER III**

### **FTMS306 -PROJECT II - WOMEN'S WEAR**

**Total credits :6**

**Hours/week :5**

Students have to Design, make a Pattern, and Construct a Women's Wear. Students must do this project individually. Project should be worked out through various production stages under the guidance and approval of the supervising faculty/faculties. Students have to complete the project within the given time period, and they should keep all the important paper works along with them.

Students must submit the finished project along with the required paper works and a comprehensive report, to the Head of the Department, before the day of the project evaluation. The project will be evaluated by the external and internal examiners appointed by the university. Delayed, incomplete submissions will be considered as per the University rules.

## SEMESTER IV

### BOCG401 SOFT SKILLS AND PERSONALITY DEVELOPMENT

**Total credits :4**

**Hours/week :4**

**Objective:** *The course aims to cause a basic awareness about the significance of soft skills in professional and inter-personal communications and facilitate an all-round development of personality.*

#### MODULE – I

**Personal Skills:** Knowing oneself- confidence building- defining strengths- thinking creatively- personal values-time and stress management.

#### MODULE – II

**Social Skills:** Appropriate and contextual use of language- non-verbal communication- interpersonal skills- problem solving.

#### MODULE – III

**Personality Development:** Personal grooming and business etiquettes, corporate etiquette, social etiquette and telephone etiquette, role play and body language.

#### MODULE – IV

**Presentation skills:** Group discussion- mock Group Discussion using video recording - public speaking.

#### MODULE – V

**Professional skills:** Organizational skills- team work- business and technical correspondence-job oriented skills-professional etiquettes.

#### **Books for Reference:**

1. Matila Treece: *Successful communication*: Allyun and Bacon Pubharkat.
2. Jon Lisa, *Interatid skills in Tourist Travel Industry*, Longman Group Ltd.
3. Robert T. Reilly, *Effective communication in tourist travel Industry* Dilnas Publication.
4. Boves. *Thill Business Communication Today* Mcycans Hills Publication.
5. Dark Studying International Communication Sage Publication.
6. Murphy Hidderandt Thomas *Effective Business Communication* Mc Graw Hill.



## SEMESTER IV

### FTMG402 EXPORT PROCEDURES AND DOCUMENTATION

**Total credits :4**

**Hours/week :4**

#### **Objectives:**

- *To develop an understanding of various organizational structure and function of various departments*
- *To understand the potential and limitations of textile industry from a fashion designers' point of view*

#### **Module I**

- Organizational structure & functions of various departments of a manufacturer Export house
- **Buying house**-store owned buying house & independent buying house

#### **Module II**

- Forecasting and significance in product planning
- sampling procedure
- **Terminologies** - specification sheet, order sheet, line development, lead time, line presentation, minimum length and width
- **Costing**-techniques of costing, cost sheet

#### **Module III**

##### **Quality Aspects:**

- Fabric & Garment defects
- Quality, Quality Control – Meaning, methods
- Quality control of garments
- **Inspection** – meaning, types (No inspection, In process inspection, Random inspection, 100% inspection)
- **Standards and specifications** – International sources; ISO, ASTM, BIS (origin, nature,)
- TQM, AQL - Meaning and advantages

## Module IV

- **Labelling of garments**– types, care labels
- **Packaging of garments** – types & methods, materials
- **Eco friendly textiles** and significance of green labeling

## Module V

- **Role of Export manager**
- **Export, trade procedures & documentation** : Export plan, export procedures, importance of export documents
- **Export Document Classification-** Proforma Invoice, Commercial Invoice, Consular Invoice **Certificate** : Certificate of origin, Combined Certificate of origin and value, Certificate of Inspection/ Quality control; **Customs Document:** Shipping Bill; **Transport documents** :Mate receipt, Bill of lading, Airway bill, Combined transport document and shipment advice; **Exchange Control Documents:** GR Form, PP Form; **Payment Document** - Letter of Credit & Bill of Exchange; Miscellaneous Documents : Packing list, Insurance Certificate, Marine Insurance Policy, Bill of entry, Intimation for Inspection, Shipping Instruction, Insurance Declaration, Shipping order, Application for certificate of origin, Letter too Bank for collection/negotiation of documents.
- Mode of shipments -Water and Airway

## Reference

- Brad Jackson, (2001), *Management Gurus and Management Fashion*, London, Routeledge Publications.
- Jeanette Jarnow, (1968), *Inside the Fashion Business*, New York, Rizzoli International Publication.
- Michael Easy, Thompson, Sharon, Williams and John, (2008), *Fashion Marketing*, London, Blackwell Scientific Publication.
- Helen Goworek, (2007), *Fashion Buying*, UK, John Wiley and sons Ltd.
- Jay Diamond & Gerald Pintel, (2013), *Retail Buying*, New York, Prentice Hall Publications

**SEMESTER IV**  
**FTMG403 ADVANCED FASHION ILLUSTRATION**

**Total credits :4**

**Hours/week :5**

**Objectives:**

- *Introduction to Various medium for stylization of croqui*
- *To make the students capable to create their own style of illustration*
- *To train students in colour rendering in different media keeping fabric qualities.*

**Module I**

**Draping of garments on croquis**

**Module II**

**Color rendering**-solids, prints, checks, stripes, florals, dots, denim, Velvet, satin, chiffon

**Module III**

Conceptualize and design a **thematic collection** of 5 garments.

**Module IV**

**Stylization of croquis using different kinds of paper**

**Module V**

**Stylized fashion illustration** – students should create their own style of illustration (Minimum 3)

**References**

1. Mary Garthe, Fashion and Color, Rockport publishers, Rockport, Massachusetts
2. Estel Vilaseca , Essential Fashion Illustration Colour and Medium, Rockport Publishers, U.S
3. Nicholas Drake, Fashion Illustration Today, Thames & Hudson, London.
4. Carol.A.Nunnely, Fashion Illustration School, Thames & Hudson, London
5. Colin Barnes, Fashion Illustration, LITTLE, Brown and Company, New York
6. John Ireland.P, Introduction to Fashion Design, B.T.Batsford Ltd, London
7. Seaman.J, Fashion Illustration Basic Techniques,- B T Batsford Ltd, London

**SEMESTER IV**  
**FTMS404 COMPUTER AIDED DESIGN**

**Total credits :6**

**Hours/week :6**

**Objective:** *To introduce students to essential software's.*

**Module I**

**CAD:** Meaning, introduction and importance

**Module II**

**Adobe Photoshop**

Creating mood board, Theme board, color board and client profile

**Module III**

**Adobe Illustrator**

Create surface pattern design for fabrics

Illustrate fashion croqui and drape garments over croqui

**Module IV**

**Coral Draw**

Prepare Flat sketches and spec sheet

**Module V**

Design a theme based fashion collection and prepare the presentation using CAD

## SEMESTER IV

### FTMS405 PATTERN MAKING AND GARMENT CONSTRUCTION - KIDS WEAR

**Total credits :6**

**Hours/week :6**

#### **Objectives:**

- *To teach the students methods of taking body and form measurements for children's wear*
- *To teach the construction methods for kid's wear*

#### **Module I**

**Introduction to Children's wear** – Size categories –Taking body measurements – Standard chart for boys and girls

#### **Module II**

Construction of **Cradle frock** for the age group of 6 months to 1 year

#### **Module III**

**Construction of a frock** (Tent dress or a frock with a peter pan collar and a yoke) for the age group of 1 year to 5 years

#### **Module IV**

**Construction of a Skirt** (Straight skirt or Circular skirt or Skirt with a yoke and gathers) for the age group of 7 years to 12 years)

**Construction of Shorts** (Flared shorts or knickers) for the age group of 5 years to 7 years.  
Construction of a shirt with collar and half sleeve for boys (age group 3 years to 12 years)

#### **Module V**

Construction of a kids wear based on a theme.

#### **References**

1. Aldrick.W, Metric Pattern Cutting for children 2 to 14 years, Blackwell Science, Australia wearfrom.
2. Singer sewing for children, Creative publishing International, Chanhassen, Minnesota.
3. Hardy. U.S Making Childrens Clothes, Cico Books, London

**SEMESTER IV**  
**FTMS406 INTERNSHIP – II- EXPORT HOUSE**

**Total credits :6**

After the completion of the fourth semester, the students will have to undergo a minimum of two week' internship programme. It will be in an apparel exporting firm to understand various steps and techniques involved in exporting. College will provide a certificate to prove their identity. A member of the faculty will supervise the student during the internship.

Firms having a minimum of two years' exposure in apparel export can be selected. At the end of the internship, the students should prepare a comprehensive report. The report and the specimens of the work done by the student should be attested by the organization. Student should also produce a certificate of internship from the organization. All the above details should be submitted to the Head of the Department for evaluation. The report will be evaluated by the external and internal examiners appointed by the university. Delayed, incomplete submissions will be considered as per the University rules.

**SEMESTER V**  
**BOCG501 ENVIRONMENTAL STUDIES**

**Total credits :4**

**Hours/week :4**

**AIM**

- *To bring in proper awareness among the students on Environmental Issues*

**OBJECTIVES**

- *To build a pro-environmental attitude and a behavioral pattern in society based on sustainable lifestyles*
- *To impart basic knowledge on pollution and environmental degradation.*

**MODULE 1**

*(15 hrs)*

Introduction to Environment Science : Development and Environment, Human Population and the Environment : Population growth, variation among nations-Population explosion – Case Studies.Sustainable Development – Concept, Policies, Initiatives and Sustainability strategies, Human Development Index, Gandhian Principles on sustainability.

**Natural systems** -Earth –structure, soil formation- factors affecting, soil types,Atmosphere – structure and composition, Hydrosphere – Oceans, rivers, estuaries, Lakes etc., Physical environment of aquatic systems

**Resource utilization and its impacts on environment** -Renewable and non-renewable resources, Forest resources : Use and over-exploitation, Timber extraction, mining, dams and their effects on forest and associated biota.,Water resources : Use and over-utilization of surface and ground water, conflicts over water, River valley projects and their environmental significance- Case studies – SardarSarovar, Mineral resources : Use and exploitation, environmental impacts of extraction and use of mineral resources,case studies – sand mining, metal mining, coal mining etc

**Food resources** : World food issues, changes caused by - overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, and salinity. Case studies Energy resources : Growing energy needs, renewable and non renewable energy sources, use of

alternate energy sources. Case studies.

**Land resources** : Land as a resource, land degradation, soil erosion and desertification.

## **MODULE 2**

**(15 hrs)**

### **Ecosystems**

Concept of an ecosystem-Structure and function of an ecosystem-Producers, consumers and decomposers-Energy flow in the ecosystem-Ecological succession-Food chains, food webs and ecological pyramids.

Ecological interactions Types, characteristic features, structure and function of the following ecosystem : Forest, Grassland, Desert, Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries). Significance of wetland ecosystem – Classification, Ecology and Biogeochemistry. Threats and Management

### ***Biodiversity and its conservation***

Introduction – Definition : genetic, species and ecosystem diversity, Biogeographical classification of India, Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values, Biodiversity at global, National and local levels, India as a mega-diversity nation Hot-spots of biodiversity, Threats to biodiversity : habitat loss, poaching of wildlife, man-wildlife conflicts., Endangered and endemic species of India, Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity. People's participation in biodiversity conservation- Biodiversity Register; Global Climate change and Biodiversity.

## **MODULE 3**

**(15 hrs)**

### **Environmental Pollution**

Air pollution: sources- mobile, stationary, fugitive; type of pollutants- primary and secondary air pollutants, Smog- classical smog and photochemical smog, Acid rain; Ozone depletion; impacts of air pollutants on environment; control measures.

Water pollution: Sources- Point and non-point sources; Types – chemical, biological and physical; impacts on the environment; water quality – water quality standards ; control measures.

Soil pollution: sources and impacts

Noise pollution: sources, impacts on health, management strategies Thermal pollution and Nuclear pollution - sources and



impacts Solid wastes – types, sources, impacts on Environment.

Municipal Solid waste Management: Essential steps- source segregation , collection

Processing and Disposal of

residues. Environmental Pollution

- case studies

Natural and anthropogenic Disasters and their management : floods, earthquake, cyclone and landslides.

## **MODULE 4**

*(15 hrs)*

### **History of environment protection**

Silent spring, Ramsar Convention, Stockholm conference, Montreal protocol, Kyoto protocol, earth summit, Rio+10, Rio+20, Brundtland commission Report, Sustainable development

Environmental movements in India, Global initiatives for Environmental protection

Environmental education –basics ,Tbilisi conference, Environment Management Systems

Environment Information Systems, Environmental Impact assessment (EIA) – definition and significance, EIA notification; National and state level Authorities; role of public in EIA of a development project

### ***Social Issues and the Environment***

Environmental movements

From Unsustainable to Sustainable development-Urban problems related to energy-

Water conservation- Rain water harvesting; Watershed management

Environmental ethics : Issues and possible solutions.

Environmental Economics, Green house effect and Climate change Natural and Anthropogenic disasters

Disaster Management ,Wasteland reclamation-Consumerism and waste products-

Environmental Laws – General introduction; Major laws in India.Environment Protection Act-

Air (Prevention and Control of Pollution) Act-Water (Prevention and control of Pollution) Act-

Wildlife Protection Act-Forest Conservation Act-Issues involved in enforcement of

environmental legislation-Public awareness

## **TEXT BOOK**

*Textbook for Environmental Studies For Undergraduate Courses of all Branches of Higher Education – Erach Bharucha for University Grants Commission*

### **Further activities**

1. Field work
2. Visit to a local area to document environmental assets river/forest/grassland/hill/mountain
3. Visit to a local polluted site-Urban/Rural/Industrial/Agricultural/ Solid waste dump yards
4. Study of common plants, insects, birds.
5. Study of simple ecosystems-pond, river, hill slopes, etc. (Field work Equal to 5 lecture hours)

**SEMESTER V**  
**FTMG502 FASHION FORECASTING**

**Total credits :4**

**Hours/week :3**

**Objectives**

*To enable student's knowledge about prediction of upcoming trends, colours, texture, etc...*

**Module I**

- **Fashion forecasting** – Definition
- **Types of fashion forecasting**- Long term forecasting and Short-term forecasting
- Importance of fashion forecasting
- Role of a fashion forecaster

**Module II**

- Research process in forecasting
- **Sales Forecasting**- Requirement for sales forecasting (Horizon, Life Cycle, Aggregation, Seasonality, Variables)
- **Sales forecasting methods for fashion industry**- Usual Methods, Advanced Sales Forecasting Methods (forecasting methods for historic and non-historic data)

**Module III**

- **Colour Forecasting**- Importance of colour forecasting, responsibilities of a colour forecaster
- Design a colour forecast scheme using Pantone shade card

**Module IV**

- **Textile forecasting**
- Design a unique colour combination with textile prints

**Module V**

The students must do a colour and fabric forecasting for a season. Sketch a collection based on the forecasting the forecasting includes the following steps

- Inspiration board
- Mood board

- Colour board
- Swatch board
- Design development sheets

## **REFERENCE**

1. Kate Scully, Debra Johnston Cobb, Colour Forecasting for Fashion (Portfolio Skills: Fashion & Textiles), Laurence King Publishing
2. Gwyneth Holland, Rae Jones, Fashion Trend Forecasting, Laurence King Publishing
3. Lorynn R. Divita, Evelyn L. Brannon, Fashion Forecasting: Studio Instant Access, Fairchild Books
4. Chelsea Rousso, Fashion Forward: A Guide to Fashion Forecasting, Fairchild Books

**SEMESTER V**  
**FTMG503 ART APPRECIATION**

**Total credits :4**

**Hours/week :3**

**Objectives**

- *To induce the students an appreciation of art through ages & its impact upon lifestyle & fashion.*
- *To create innovative paintings inspired by the characteristics of world art & application of art in fashion.*

**Module I**

**ART** :Purpose of Art , Looking at Art, the Principles of Art  
Introduction to world art  
Different classifications

**Module II**

Ancient World  
• Pre-Historic art-Paleolithic age  
• Egyptian art  
• Greece & Roman-Classical Art.

**Module III**

Middle Ages  
• Early Christian & Byzantine Art.  
• Medieval European art-Gothic.  
• Renaissance.

**Module IV**

Modern Art  
• Neo- Classicism  
• Impressionism  
• Pointillism  
• Cubism  
• Surrealism

**Module V**

• Pop art  
• Op art  
• Abstract art  
• Expressionism.  
• Contemporary art

- Graffiti
- Art Deco

## **REFERENCES**

1. H.W Janson /Anthony .F.Janson , History of Art (sixth edition), Prentice Hall College Division
2. Gustav Klimt, One Hundred Drawings, Dover Publications
3. Peter Murray, Art Of The Renaissance, Thames and Hudson, UK

**SEMESTER V**  
**FTMS504 ACCESSORY DESIGNING**

**Total credits :6**

**Hours/week :5**

**Objective**

- *To teach the students the art of accessory designing so that they can complement their garment designs with appropriate accessories.*

**Module I**

**Fashion Accessories** :An introduction to Fashion Accessories.

Type of Fashion Accessories: - Jewellery (neck lace, earrings, rings, hair ornaments) hats, belts, bags, footwear's and hair accessories.

**Module II**

**Designing fashion accessories on the basis of a selective theme:** Traditional style, ethnic style, contemporary style, fusion of any above styles.

**Module III**

Material exploration- Develop any two **accessory**- hat, belt, bag, footwear, and hair accessory

**Module IV**

Material exploration- Develop a set of **Jewellery** with any material and a set of eco-friendly material.

**Module V**

Prepare a **theme based accessory** collection in fusion style.

**Suggested Readings:**

1. Joan Evans, History of Jewellery, Dover Publications, New York
2. Steven Thomas, Drawing Fashion Accessories, Laurence King Publishing, London
3. Leonor D'Orey, Five Centuries of Jewellery: National Museum of Ancient Art, Zwemmer Publishers, London
4. Tracey Tolkien & Henrietta Wilkinson, A collector's Guide to Costume Jewellery, Firefly Books Ltd, Canada

## SEMESTER V

### FTMS505 PATTERN MAKING AND GARMENT CONSTRUCTION- MEN'S WEAR

**Total credits :6**

**Hours/week :5**

#### **Objectives**

- *To teach the students basic fundamentals of men's wear*
- *To enable students to do the proper layout of paper drafts on the fabric and to make maximum usage of fabric with minimum wastage.*

#### **Module I**

- Pattern Making - **Men's block**
- Basic **over garment block**
- Basic **one-piece sleeve block**
- **Classic shirt block**
- **Casual shirt block**
- **Trouser blocks**-one piece, two pieces

#### **Module II**

Pattern Making and Construction of **Classic Shirt**

#### **Module III**

Pattern Making and Construction of **Trousers**

#### **Module IV**

Pattern Making and Construction of **Vest**

#### **Module V**

Pattern Making and Construction of one men's wear according to recent trends.

#### **References**

1. E. Olive pounds, Creative Sewing, Thomas Nelson and Sons Pvt. Ltd, USA
  2. Ernestine Kopp, Vittorina Rolfo & Beatrice Zelin, How to Draft Basic Patterns, Fairchild Publications, USA
  3. Nancy Zieman, Sewing A to Z: Your Source for Sewing and Quilting Tips and Techniques, Krause Publishers, USA
- Winifred Aldrich, Metric Pattern Cutting for Men's Wear , 4<sup>th</sup> Edition, John Wiley and Sons, USA



## SEMESTER V

### FTMS506 PROJECT III- KIDS WEAR

**Total credits :6**

**Hours/week :5**

After the completion of the V<sup>th</sup> semester, the students are required to Design, make a Pattern and Construct a Casual Wear for Kids. Students must do this project individually. Project should be worked out through various production stages under the guidance and approval of the supervising faculty/faculties. Students have to complete the project within the given time period, and they should keep all the important paper works (abstract, review of literature, methodology, design, cost sheet, photographs, market survey, result analysis e.tc) along with them.

Students must submit the finished project along with the required paper works and a comprehensive report, to the Head of the Department, before the day of the project evaluation. The project will be evaluated by the external and internal examiners appointed by the University. Delayed, incomplete submissions will be considered as per the University rules.

**SEMESTER VI**  
**BOCG601 ENTREPRENEURSHIP DEVELOPMENT**

**Total credits :4**

**Hours/week :4**

*Objective: To familiarize the students with the concept and overview of entrepreneurship with a view to enhance entrepreneurial talent. To impart knowledge on the basics of entrepreneurial skills and competencies to provide the participants with necessary inputs for creation of new ventures. To explore new vistas of entrepreneurship in 21st century environment to generate innovative business ideas*

**Module – I**

To make the students understand about entrepreneurs and different classifications. Entrepreneur and entrepreneurship - Definition; traits and features; classification; Entrepreneurs; Women entrepreneurs; Role of entrepreneurs in India.

**Module – II**

Create an awareness about EDP. Entrepreneurial development programme concept; Need for training; phases of EDP; curriculum & contents of Training Programme; Support systems, Target Groups; Institutions conducting EDPs in India and Kerala.

**Module – III**

General awareness about identification of project financing new enterprises. Promotion of a venture; opportunity Analysis Project identification and selection; External environmental analysis economic, social, technological and competitive factors; Legal requirements for establishment of a new unit; loans; Overrun finance; Bridge finance; Venture capital; Providing finance in Approaching financing institutions for loans.

**Module –IV**

To identify different opportunities in small business. Small business Enterprise - Identifying the Business opportunity in various sectors - formalities for setting up of a small business enterprise - Institutions supporting small business enterprise - EDII (Entrepreneurship Development

Institute of India), SIDO (Small Industries Development Organization NSIC (National small Industries Corporation Ltd.) NIESBUD (National Institute for Entrepreneurship and Small Business Development) Sickness in small business enterprise causes and remedies

### **Module – V**

To understand about a project report relating to a small business. Project formulation - Meaning of a project report, significance, contents, formulation planning commissions guidelines for formulating a project report - specimen of a project report, problems of entrepreneurs, case studies of entrepreneurs.

### **Books for Reference:**

1. Cliffton, Davis S. and Fylie, David E., Project Feasibility Analysis, John Wiley, New York, 1977.
  2. Desai A. N., Entrepreneur and Environment, Ashish, New Delhi, 1990.
  3. Drucker, Peter, Innovation and Entrepreneurship, Heinemann, London, 1985
  4. Jain Rajiv, Planning a Small Scale Industry: A guide to Entrepreneurs, S.S. Books, Delhi, 1984
  5. Kumar S. A., Entrepreneurship in Small Industry, Discovery, New Delhi, 1990
- McClelland, D. C. and Winter, W. G., Motivating Economic Achievement, Free Press, New York, 1969

**SEMESTER VI**  
**FTMG602 COST ACCOUNTING FOR APPAREL INDUSTRY**

**Total credits :4**

**Hours/week :4**

**Objectives**

- *To understand the cost factors and calculation methods*

**Module I**

**Cost Accounting**

Introduction to cost accounting: Responsibility of accounting, Uses of Cost accounting, Elements of cost, Direct material, Direct labour, Factory overhead, Cost of goods manufactured statements, Cost behaviour patterns in the apparel industry, Fixed Variable, Semi variable, Job order for process costing.

**Module II**

**Overheads**

Accounting for factory overhead - Capacity level concepts, Production and service Dept, Direct and Indirect cost, Over and under applied overhead.

**Module III**

**Cost volume profit analysis**

**Break even analysis** –contribution margin, variable cost ratio, and marginal income, sales mix by garment style, Effect of volume change, Price/volume analysis

**Apparel Marketing cost analysis**-Marketing cost accounting, Marketing cost standards, Variance analysis for marketing costs, Effective variance.

**Module IV**

**Pricing**

Determining pricing of apparel products-Price elasticity of demand and supply, marginal revenue and marginal cost, cost plus pricing, variable cost pricing, Direct cost pricing  
Derivation of cost of apparel- Woven and knit.

## **Module V**

### **Budget**

The budgeting process-Budget principles for the apparel industry, Fixed vs Variable budget, Lamination of budgets in any justification efforts

### **Reference**

1. S.P.Jain and KL. Narang, "Cost Accounting", Kalyani Publishers, New Delhi.Edn.2005
2. R.S.N. Pillai and V. Bagavathi, "Cost Accounting", S. Chand and Company Ltd., New Delhi.Edn.2004.
3. Frances Harder, Fashion for Profit: From Design Concept to Apparel Manufacturing
4. Glock Ruth E., Glock, Apparel Manufacturing: Sewn Product Analysis
5. Michael Jeffrey, Nathalie Evans, Costing for the Fashion Industry

**SEMESTER VI**  
**FTMG603 VISUAL MERCHANDISING**

**Total credits :4**

**Hours/week :5**

**Objectives:**

*To understand the various aspects Visual Merchandising.*

**MODULE I**

- Visual Merchandising Planning- Display Calendar, planning a display, Part of visual merchandiser in scheduling the promotion
- Store Planning and Design

**Module II**

- Visual Merchandising and Display Basics – Importance of Display, Colour and Texture, Line Composition, Light and Lighting, Types of Display and Display Settings.
- Exterior of the Store - Signs, Marquees, Outdoor Lightening, Banners, Planters, Awing's
- Interior of the Store – Focal Points, Island Displays, Risers and Platforms, Runway, Catwalk, Counters and Display Cases, Museum Cases, Demonstration Cubes, Ledges, Shadow Boxes

**Module III**

- Visual Merchandising Requirements
- Mannequins- Realistic Mannequins, Semirealistic Mannequins, Semi- abstract Mannequins, Abstract Mannequins.
- Alternatives to The Mannequins – Three- Quarter Forms, Other Forms, Cutout Figures, Dress forms and Suit Forms, Hangers, Pinup Techniques,

**Module IV**

- Fixtures- Stands, Platforms and Elevation, Ledge Fixtures, T- Stand, Round Rack, Pipe Racks, Counters and Showcases
- Furniture and Props for Visual Merchandising- Chairs, Tables, Armoires and Cabinets, Drawer Units

**Module V**

Visual Merchandising and Display Techniques

- Attention Getting Devices – Colour, Lighting, Line and Composition, Contract, Mirror, Props, Repetition.
- Seasonal visual Merchandising

- Career opportunities in visual merchandising

## **References**

1. Laura Bliss, Guide Visual Merchandising and Display III Edition, Fairchild Publications.
2. Manmeet sodhia, Fashion marketing and merchandising, Kalyani Publishers
3. Gastelino. M. Fashion Kaleidoscope, Rupa & Co. 1994.
4. Gibson. G. Vedomani, Retail Management, Jaico Publishing house, Bangalore
5. Elaine Stone, The Dynamics of Fashion, Fairchild Publication
6. Brenda Sternquist international Retailing, Fairchild Publication, New York
7. Martin. M. Pegler, Store Window No.14, No 12, Visual reference Publishers, New York.
8. Jonny Tuckers, "Retail Desire" Rotovision SA UK.

**SEMESTER VI**  
**FTMS604 THEMATIC LINE DEVELOPMENT**

**Total credits :6**

**Hours/week :6**

Each student will conceptualize and develop a collection of at least five garments  
The students should submit a record and the garments based on the theme at the time of external evaluation

**References**

1. Gerea Olivier, Fashion – Concept to Catwalk, A&C Black London
2. Atkinson M, How to create your Final Collection, Laurence King Publishing
3. Rta Kapur Chishti, Saris – Tradition and Beyond, Roli Books
4. Kellvey Mc Katherine and Munslow J, Fashion Forecasting, Wiley-Blackwell
5. James Stockton, Designers Guide to Color, Chronical books, San Francisco



**SEMESTER VI**  
**FTMS605 PORTFOLIO PRESENTATION**

**Total credits :6**

**Hours/week :6**

**Objective:**

*To help students to prepare a competitive portfolio which include best of their skills and talents.*

**Module I**

Introduction to portfolio building for fashion designers, ideas storage bank, focused portfolios, Specialized portfolios, Diverse Market segment, presentation techniques

The students have to document all their best presentable work done through all the semesters and those that portray their area of interest.

The students are required to submit the portfolio as the record during the external evaluation.

**References**

1. Linda Tain, Portfolio Presentation for Fashion Designers, Fairchild Books, New York

**SEMESTER VI**  
**FTMS606 INTERNSHIP – III - VISUAL MERCHANDISING**

**Total credits :6**

After the completion of the sixth semester, the students will have to undergo a minimum of two weeks' internship programme in a Textile industry.

Students can choose a textile industry in India or abroad for their internship. College will provide a certificate to prove their identity. A member of the faculty will be with the student during the internship.

Textile industry must be an established one; should have completed minimum 2 years.

At the end of the internship, the students should prepare a comprehensive report. The report and the specimens of the work done by the student should be attested by the organization. Student should also produce a certificate of internship from the organization. All the above details should be submitted to the Head of the Department before the day of the project evaluation. The project will be evaluated by the external and internal examiners appointed by the University. Delayed, incomplete submissions will be considered as per the University rules

# Model Question Papers

Reg No.....

Name.....

**B.Voc Degree Examination**  
**First Semester (New Scheme)**  
**Model Question Paper**

**LISTENING AND SPEAKING SKILLS IN ENGLISH**

**Time: Three Hours**

**Maximum: 80 Marks**

**PART A**

**Answer any 10 questions. Each question carries 2 marks.**

1. Describe an auto rickshaw.
2. What is intensive reading?
3. What is the difference between a definite article and an indefinite article?
4. What is rising tone?
5. What is an index?
6. What is a phrasal verb?
7. Who is a good reader?
8. What is an embedded question?
9. Write a few phrases which can be used to express mild disagreement.
10. What are the three functions of conjunctions?
11. What are grammatical words?
12. What are people skills?

**PART B**

**Answer any 6 questions. Each question carries 5 marks.**

13. What is telephone etiquette?
14. Who is an active listener?
15. Prepare a vote of thanks to be presented for the residents' association meeting.
16. Write short note on conjunctions.
17. What are the features of fluent speech?
18. You are a project leader. Introduce the members of your team to a visiting Dignitary.
19. Write a short note on reading for a purpose.
20. What are the steps in cancelling and rescheduling appointments?
21. Describe the qualities of your college to your friends.

## PART C

**Answer any 2 questions. Each question carries 15 marks.**

22. Discuss ' the importance of social media' with two other participants in About a group discussion.
23. a) Write a conversation with your panchayath member, complaining about the lack of streetlights.  
B) Write a model interview you make with an actor.
24. Write a note on subject-verb agreement.
25. What are the roles and functions in a group discussion?

**B.Voc Degree Examination**  
**Second Semester (New Scheme) Model Question Paper**

Reg No.....

Name.....

**WRITING AND PRESENTATION SKILLS IN ENGLISH**

**Time: Three Hours**

**Maximum: 80 Marks**

**PART A**

**Answer any 10 questions. Each question carries 2 marks.**

1. What is a resume?
2. What is a group discussion?
3. What is project report?
4. What is proxemics?
5. What is a letter of enquiry?
6. What is flip chart?
7. What is seminar?
8. What is a power of attorney?
9. What is netiquette?
10. What are narrative essays?
11. What are the components of atypical seminar paper?
12. What is paralanguages?

(10 x2=20)

**PART B**

**Answer any 6 questions. Each question carries 5 marks.**

13. What are the important points to be considered while sending collection letters?
14. What is a channel of communication? What are the different types of channel of Communication?
15. Write a letter to the editor about the street dog menace in your city.
16. You want to sell your book collection. Prepare a notice to be put up in the college Notice board.
17. Write a short note on Kinesics.
18. Prepare an agenda for the monthly board meeting of your firm.
19. What are the points to be remembered while filling an application form?
20. You are the owner of a supermarket. Write a letter inviting quotations from a Wholesale dealer.
21. Write a short note on visual aids that are often used in presentations.

(6x5 =30)

## **PART C**

**Answer any 2 questions. Each question carries 15 marks.**

22. You are Ravi/ Jaya. Prepare an application letter and a resume for the post
23. Write an essay arguing for or against single sex educational institution.
24. What are the barriers to effective communication? How can we overcome communication Barriers?
25. Write a descriptive essay about your favorite place.

**B.Voc Degree Examination  
First Semester (New Scheme)  
Model Question Paper**

**INTRODUCTION TO FASHION BUSINESS**

**Time: Three Hours**

**Maximum :80 Marks**

**Part A**

**Answer any ten questions each question carries 2 marks**

1. What is called fashion?
2. Explain fashion forecasting.
3. Write a short note on WTO.
4. Write a note on special events in fashion industry.
5. What is called fashion advertising?
6. Explain colour services.
7. Write a short note on women in work force.
8. Write a short note on custom made clothing.
9. Explain purpose of clothing.
10. Write a short note on demographic trends.
11. Write a short note on fashion seasons.
12. What is called FAD and Classic fashion?

**Part-B**

**Answer any six questions. Each question carries 5 marks**

13. Explain any 12 fashion terminologies in detail.
14. Write a note on adoption theories of fashion.
15. Explain growth of couture.
16. Write a note on fashion services and resources.
17. Explain consumer buying behavior.
18. Write a note on NAFTA and MFA.
19. Write the difference between long term and short term forecasting.
20. Explain fashion market. Write a note on clothing categories in women's wear.
21. Write a detailed note on fashion accessories with examples

**Part -C**

**Answer any two questions. Each questions carries 15 marks**

22. Explain fashion cycle with a neat diagram.
23. Write a detailed note on fashion advertising kinds and medias of advertising.
24. Explain factors affecting fashion.
25. Write a detail note on Fashion Marketing.



**B. Voc Degree Examination**  
**Second Semester (New Scheme)**  
**Model Question Paper**  
**MACHINERY AND EQUIPMENT**

**Time: Three Hours**

**Maximum :80 Marks**

**Part A**

Answer any **ten** questions each questions carries 2 marks

1. What is called grading?
2. What are the Safety measures used while using sewing machine?
3. What is sampling department
4. Explain stitch class 300 ?
5. Name the different kinds of needles used for sewing ?
6. Explain the types of fusing?
7. Write a short note on fabric cutting machines ?
8. What is called marker making?
9. Explain the functions of feed dog ?
10. Write a short note on packaging ?
11. Write a short note on stitching defects.
12. Explain stain removal method.

**Part-B**

Answer any **six** questions. Each question carries 5 marks

13. Write a short note on semi- automatic and Computerized cutting machines.
14. Write a short note and application of seam class 2 and 8?
15. Write a note on different types of sewing machine.
16. Name the machine beds and Explain.
17. Explain Ticketing, and Bundling.
18. Explain pressing equipments and pressing methods.
19. Write a short note on pattern making Making.
20. What is the importance of cutting machines in Textile Industry? Explain.
21. Write a short note on the machineries used for fusing

**Part-C**

Answer any **two** questions. Each questions carries 15 marks

22. Write in detail about Stitch types, their classification and applications.
23. Explain the parts of Sewing Machine with a neat diagram.
24. Write in detail about seam class their classification and applications.
25. Explain classification and uses of different kinds of needles with neat diagram?