

# **RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

(Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Universities Act, 1994)

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## **DIRECTION NO. / 9 OF 2013**

### **DIRECTION GOVERNING THE EXAMINATION LEADING TO DEGREE OF MASTER OF TEXTILE DESIGN IN THE FACULTY OF HOME SCIENCE (Issued by the Vice-Chancellor under Section 14(8) of the M.U.Act, 1994)**

**WHEREAS**, Maharashtra Universities Act, 1994 (hereinafter referred to as Act) has come into force from 22<sup>nd</sup> July, 1994 and was amended from time to time,

#### **AND**

**WHEREAS**, the University Grants Commission, New Delhi vide letter No.D.O.No.F-2/2008/(XI Plan), dated 31 January 2008 regarding new initiatives under the XI Plan – Academic reforms in the University has suggested for improving quality of higher education and to initiate the academic reform at the earliest,

#### **AND**

**WHEREAS**, the Board of Studies in all the Science subjects in their meeting held during **18 February 2012** - prepared the syllabi and scheme of examination for the Master of Textile Design Post- graduate course and recommended for starting of the credit based semester pattern in Faculty of Home -Science from the academic session 2012-13,

#### **AND**

**WHEREAS**, the Dean, Faculty of Home Science has consented to the syllabi and the scheme of examination for the award of Master of Textile Design degree.

#### **AND**

**Whereas**, ordinance making is a time consuming process, therefore, I, Dr. V.S. Sapkal, Vice Chancellor Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in exercise of powers vested under Section 14(8) of the Act do hereby issue the following Direction.

1. This Direction may be called "Direction relating to examinations leading to the Degree of Master of Textile Design in the Faculty of Home Science (Credit Based Semester Pattern).
2. The direction shall come into force from the date of its issue by Hon'ble Vice Chancellor and shall remain in force till the relevant ordinance comes into being in accordance with the provisions of the Act.

3. The duration of the Master of Textile Design course shall be of Two academic years consisting of Four semester with University examinations at the end of each semester namely:
  - a) Master of Textile Design, Semester I Exam.
  - b) Master of Textile Design, Semester II Exam.
  - c) Master of Textile Design, Semester III Exam.
  - d) Master of Textile Design, Semester IV Exam.
4. The examinations shall be held at such places and dates which are notified by the University.

**ELIGIBILITY TO THE COURSE:**

5. Subject to the compliance of the provisions of this direction and any other ordinances in force from time to time, an applicant for admission to the examination shall have passed.
  - (a) In case of part one Examination, have passed the BTM Examination from RTM. Nagpur University or Bachelor degree in Textile Design/Textile Science or B.Tech in Textile Technology, or B.Design/ BFA/ Graduation in Textile, Knitwear or Fashion, B.Sc Home Science , Textile or Handloom Technology or Equivalent. {OR} Graduates in any discipline with one year relevant industry experience) or any other equivalent examination from any recognized University by UGC or any other reputed organization like NIFT
6. a) **Master of Textile Design Semester-I Examination**

Students who have fulfilled the eligibility criteria as mentioned in Section 5 have been admitted to this course in Semester I.

b) The ATKT rules for admission for the Master of Textile Design Course (Theory and Practical as separate passing head) shall be as given in the following table-

Admission to Semester	Candidate should have passed in all the subjects of the following examination of R.T.M. Nagpur University	Candidate should have passed at least 50% of the passing heads of the following examinations
Semester I	As provided in the para 6 of the direction	-----
Semester II	-----	-----
Semester III	Lateral admission- Who have done PG Diploma in Textile Designing or Textile Technology/ or equivalent /MSc Home Science in Textile & Clothing or equivalent shall be eligible to take admission in semester III of the said course -----	Semester I and II taken together
Semester IV	-----	Semester I, II and III taken together

- 4) The duration of the course leading to the Master of Textile Design in the Faculty of Home Science shall be of iv semester (two years)The examination pattern will be as follows.
- a) **Semester Examination** The examination shall be held twice every year for Part I and Part II at the places and on the dates prescribed by the university.
- b) **Viva -Voce Examination**-The Viva-Voce shall be held at the end of part fourth semester on completion of Research Project for which external examiner shall be appointed for conduction of Viva –Voce on such date as fixed by the university.
- c) **Internship:-The internship of two week shall be completed after the completion of first year academic session during vacation** Evaluation of two week internship report will be conducted at the college level.
- d) The Adhoc teachers/subject experts from Textile/garment industry teaching to the said course can be assigned as guide for guiding the research based project work.
- 7) Without prejudice to other provisions of Ordinance no. 6 relating to the examination in general, provisions of Para 5, 8, 9, 10, 26, 31 and 32 of the said ordinance shall apply to every student admitted to this course.
- 8) The fees for the tuition, examination, laboratory and other fees shall be as prescribed by the university from time to time.
- 9) (a) The scope of the subjects shall be as prescribed in the syllabus.
- (b) The medium of instruction and question paper shall be English, but answer book can be written in English/Marathi/Hindi medium
- 10) The number of papers and maximum marks assigned to each paper and minimum marks/grade, an examinee must obtain in order to pass the examination shall be as prescribed in **Appendix-I, Appendix-II, Appendix-III and Appendix-IV** appended with this direction.
- 11) The examinee at each of the examination shall have option of not being declared successful at the examination in case he/she does not secure a minimum of grade equivalent to **55%** marks at the examination. This option will have to be exercised every time the application is submitted to any of the examinations. Once this option is exercised, the option shall be binding on the examinee and it shall not be evoked in under any circumstances.
- 12) The classification of the examinee successful at the semester and examinations and at the end of final semester examination shall be as per the rules and regulations of credit based semester pattern as prescribed in appendix, appended with this direction.

- 13) The provisions of direction no. 3 of 2007 for the award of grace marks for passing an examination, securing higher grade in subject(s) as updated from time to time shall apply to the examination under this direction.
- 14) The names of the successful examinee passing the examination as a whole in the minimum prescribed period and obtaining prescribed number of places securing the grades equivalent to first and second division shall be arranged in order of merit as provided in ordinance 6 relating to examination in general.
- 15) No candidate shall be admitted to an examination under this direction, if he/she has already passed the same examination of this university or of any other university.
- 16) Examinee successful at the final examination shall on payment of the prescribed fees, will be entitled for the award of the degree in the prescribed form signed by the Vice-Chancellor.
- 17) This course is based on credit based semester pattern and therefore, it will be also regulated by guidelines and regulation given in appendices which are part of this direction
- 20) With the issuance of this Direction, the Direction No. 17 of 2012 shall stand

repealed.

Nagpur :  
Dated :

Sd/-  
Dr. V.S. Sapkal  
Vice-Chancellor



**MASTER OF TEXTILE DESIGN- SEMESTER I****Appendix I****Theory :**

Subject code	Subject	Theory Marks	Sessional Marks	Total Marks	Min. Passing Marks	No. of Hrs/ credits per week	Time for exam Hours
1MTDT-1	Textile Process - I	80	20	100	50	4	3
1MTDT-2	Colour and Design	80	20	100	50	4	3
1MTDT-3	Indian Textile Design I	80	20	100	50	4	3
1MTDT-4	Business Communication Skill I	80	20	100	50	4	3
	<b>Total</b>	<b>320</b>	<b>80</b>	<b>400</b>	<b>200</b>	<b>16</b>	

**Practicals :**

Subject code	Subject	Practical Marks		Total Marks	Min. Passing marks	No. of Hrs/ Credits	Time for exam Hours
		Term Work Marks	Final Practical Marks				
1MTDP-1	Colour and Design	50	50	100	25+25	8/4	4
1MTDP-2	CAD in Textile Design	50		50	25	10/5	4
	<b>Total</b>	<b>100</b>	<b>50</b>	<b>150</b>	<b>75</b>	<b>-</b>	<b>-</b>

**Total marks 550****25 credits**

**MASTER OF TEXTILE DESIGN- SEMESTER II Appendix II**

**Theory :**

Subject code	Subject	Theory Marks	Sessional Marks	Total Marks	Min. Passing Marks	No.of Hrs/ credits per week	Time for exam Hours
2MTDT-1	<b>Textile Process - II</b>	80	20	100	50	4	3
2MTDT-2	<b>Advance Fabric Structure</b>	80	20	100	50	4	3
2MTDT-3	<b>Indian Textile Design - II</b>	80	20	100	50	4	3
2MTDT-4	<b>Business Communication Skill - II</b>	80	20	100	50	4	3
	<b>Total</b>	<b>320</b>	<b>80</b>	<b>400</b>	<b>200</b>	<b>16</b>	

**Practicals :**

Subject code	Subject	Practical Marks		Total Marks	Min. Passing Marks	No. of Hrs/C redits	Time for exam Hours
		Term Work Marks	Final Practical Marks				
2MTDP-1	<b>Textile Process - II</b>	50	50	100	50	10/5	4
2MTDP-2	<b>Portfolio in Textile Design</b>	50		50	25	8/4	
	<b>Total</b>	<b>100</b>	<b>50</b>	<b>150</b>	<b>75</b>		

Total marks 550      25 credits

**MASTER OF TEXTILE DESIGN- SEMESTER III****Appendix III****Theory :**

Subject Code	Subject	Theory Marks	Sessional Marks	Total Marks	Min. Passing Marks	No. of Hrs/Credits per week	Time for exam Hours
3MTD-T-1	<b>Advanced Knitting technology</b>	80	20	100	50	4	3
3-MTDT-2	<b>Dyeing technology</b>	80	20	100	50	4	3
3MTD-T-3	<b>Quality analysis of textile I</b>	80	20	100	50	4	3
3-MTDT-4	<b>Marketing &amp; Merchandizing</b>	80	20	100	50	4	3
	<b>Total</b>	<b>320</b>	<b>80</b>	<b>400</b>	<b>200</b>	<b>16</b>	

**PRACTICAL**

Subject Code	Subject	Practical Marks		Total Marks	Min. Passing marks	No. of Hrs/Credits	Time for exam Hours
		Term Work Marks	Final Practical Marks				
3MTD P-1	<b>Dyeing technology</b>	50	50	100	50	10/5	6
3MTD-TW 1	<b>Seminar Presentation</b>	50		50	25	8/4	
		<b>100</b>	<b>50</b>	<b>150</b>	<b>75</b>		

**Total marks 550      25 credits**



**MASTER OF TEXTILE DESIGN- SEMESTER IV      Appendix IV**  
**Theory :**

Sr.No.	Subject	Theory Marks	Sessional Marks	Total Marks	Min. Passing Marks	No.of Hrs/c redits per week	Time for exam Hours
4MTD-T-1	<b>Printing technology</b>	80	20	100	50	4	3
4-MTDT-2	<b>Quality analysis of textile II</b>	80	20	100	50	4	3
4MTD-T-3	<b>Major research project &amp; Internship</b>		100 Project 50 VIVA Internship 50	200	50  25  25	8	
	<b>Total</b>	<b>160</b>	<b>240</b>	<b>200</b>	<b>400</b>	<b>16</b>	

**PRACTICAL**

Sr.No.	Subject	Practical Marks		Total Marks	Min. Passing	No. of Hrs/cr edits per wk	Time for exam Hours
		Term Work Marks	Final Practical Marks				
4MTD-P-1	<b>Printing technology</b>	50	50	100	50	10/5	4
4MTD-TW-1	<b>Craft documentation</b>	50		50	25	8/4	
	<b>Total</b>	<b>100</b>	<b>50</b>	<b>150</b>	<b>75</b>		

**Total marks 550      25 credits**

Two weeks internship in Textile Industry is compulsory Submission of report duly certified by the Director/manager/Deputy Manager of the company or firm which is registered with concerned Govt authorities or a Proprietary, pvt Ltd or public Ltd, Govt or semi Govt, Govt undertaking unit. Research Project-Viva-Voca examination by two examiners(1 internal& 1external)appointed by University

## Appendix-A5

### General Rules and Regulations

#### A) Pattern of Question Paper

1. There will be four units in each paper.
2. Question paper will consist of five questions.
3. Four questions will be on four units.
4. Fifth question will be from each of the four units having equal weightage.
5. Maximum marks of each paper will be 100.
6. Each paper will be of 3 hours duration.

#### B) Absorption scheme:

- 1) While switching over to semester pattern, the failure students of annual pattern will be given three chances to clear the examination.
- 2) The candidates who have cleared first year annual pattern examination in the subject shall get admission to third semester directly by matchable scheme as under. However, candidates who are Allowed To Keep Term will not be eligible for admission to third semester unless they clear all the papers and practicals of first year annual pattern examination.  
The candidate directly admitted to semester III,
- 3) The unsuccessful students of old course shall be permitted to appear for higher class as per the new course examination of the post graduate programme (semester, credit and grade system) provided that they submit a certificate from the Head of Department / Principal of the College stating that they have satisfactorily undergone a course of study in all the subjects of the new course as per the absorption scheme of a particular post graduate programme.
- 4) The absorption scheme of the post graduate programme will be effective till the introduction of new syllabus with the new absorption scheme.

#### C) Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA)

- 1) On clearing a paper, based on cumulative score (out of 100) in that paper, a student will be given grade point average (GPA) (Maximum of 10 and minimum of 5) for that paper on the following basis.

Score (out of 100)	Grade	Grade Point Average (out of 10)
90 to 100	O: Outstanding	10
80 to 89	A: Very Good	09
70 to 79	B: Good	08
60 to 69	C: Average	07
55 to 59	D: Satisfactory	06
50 to 54	E: Pass	05
Below 50	F: Fail	00 or fail

- 2) On clearing all the papers in a semester, a student will be allotted a **Semester Grade Point Average (SGPA)** for that particular semester. As the pattern given above does not have differential weights for papers, the SGPA of a student for a particular semester will be the average of the GPA's for all the papers.
- 3) A student will be allotted a **Cumulative Grade Point Average (CGPA)** after clearing all the four semesters. Again as there is no differential weight system for semesters, the CGPA of a student will be the average of the four SGPA's of

CGPA	Equivalent class / division
9.00 to 10.00	First class (out standing)
8.00 to 8.99	First class (excellent)
7.00 to 7.99	First class with distinction
6 to 6.99	First class
5 to 5.99	Higher Second class
Below 5.00	Fail

that student.

The CGPA can be converted to the usual / conventional divisions in the following way.

- a. A student failed to score minimum **50% marks** in each head of passing and in aggregate shall be given F grade.
  - b. Student with F grade in a course would be granted credit for that course but not the grade for that course.
  - c. Grade points earned in each paper shall be calculated as – Grade points obtained (vide above table) x Credits for the paper.
  - d. The formula for GPA will be based on Average. The final GPA will not be printed unless a student passes courses equivalent to minimum 100 Credits.
  - e. While declaring the result, the existing relevant ordinances are applicable. For verification and revaluation existing rules will be applicable.
  - f. The candidate may take all the examinations as per the provisions of ATKT simultaneously but his/her result of final semester shall not be declared unless he/she is declared successful at lower examinations.
- 4) If an examinee failed to pass the post graduate programme within five successive years (for four semesters degree) from the date of his / her first admission to particular post graduate programme he/ she shall be declared as

–Not Fit for the Course (NFC)|| and he/ she will not be allowed to appear further for any previous examination of the course.

5) The computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) of an examinee shall be given below:

- a. The marks will be given in all examinations which will include the college assessment marks, and the total marks for each Theory/ Practical shall be converted into Grades as per above table. SGPA shall be calculated based on Grade Points corresponding to Grade as given in above table and the credits allotted to respective Theory / Practical shown in the scheme for respective semester.
- b. SGPA shall be computed for every semester and CGPA shall be computed only in IV semester (for four semester degree). The CGPA of IV shall be calculated based on SGPA of all four semesters as per following computation:

$$SGPA = \frac{C1 \times G1 + C2 \times G2 + \dots + Cn \times Gn}{C1 + C2 + \dots + Cn}$$

Where C1 = Credit of individual Theory / Practical

G1 = Corresponding Grade Point obtained in the Respective Theory/ Practical

$$CGPA = \frac{(SGPA) I \times (Cr) I + (SGPA) II \times (Cr) II + (SGPA) III \times (Cr) III + (SGPA) IV \times (Cr) IV}{(Cr) I + (Cr) II + (Cr) III + (Cr) IV}$$

Where, (SGPA) I = SGPA of I Semester; (Cr) I = Total Credits for I Semester;

(SGPA) II = SGPA of II Semester; (Cr) II = Total Credits for II Semester;

(SGPA) III = SGPA of III Semester; (Cr) III = Total Credits for III Semester;

(SGPA) IV = SGPA of IV Semester; (Cr) IV = Total Credits for IV Semester

**MASTER  
OF**

# **TEXTILE DESIGN**

## **SEMESTER-I**

# MASTER OF TEXTILE DESIGN SEMESTER I

## TEXTILE PROCESS- I 1MTDT-1

**Theory - 80**  
**sessional work-20**

### UNIT I

Introduction to textile fibres –Classification-General properties – Influence of fibre properties on yarn and fabric properties -Brief study on Cotton, Silk, Wool & Bast fibres (Flax & Jute Introduction – Filament spinning methods -Brief study on semi synthetic fibres: Viscose, fibres (Modal and Tencel) & Acetate fibres with their properties – Brief study on synthetic fibres (Polyester, Nylon, Polyacrylic & Spandex) and their properties  
Physical Structure and Properties of Fibres.

### UNIT II

1.STRUCTURE OF FIBRES:

Structure of textile natural and man-made fibres physical, Chemical and morphology. 2.INVESTIGATION OF FIBRE STRUCTURE :

Electron microscopy-Sample preparation techniques, X-ray diffraction methods, Infra-red radiation techniques.

3 MOISTURE ABSORPTION STUDY IN FIBRES:

Hygroscopic nature of fibres-Effect of fibre structure and climate conditions. Heat of sorption-types -relation to fibre structure. Conditioning of fibres-mechanism-factors influencing conditioning.

### UNIT III

MECHANICAL PROPERTIES OF FIBRES

Tensile characteristics-stress-strain relation-influence of humidity and temperature on tensile characteristics.

Elastic properties-Recovery-Elastic recovery and its relation to stress and strain; Mechanical conditioning advantages-

creep phenomena. Torsional Rigidity-its relation to other fibre properties-measurement techniques.

Flexural Rigidity-its relation to other fibre properties-Measurement techniques.

### UNIT IV

OPTICAL AND FRICTIONAL PROPERTIES

Lustre Index-Refractive index-Birefringence-Factors influencing Birefringence-Refractive Index measuring techniques-polarised light method-wave length method. Role of friction in fibre processing-measurement of friction.

ELECTRICAL AND THERMAL PROPERTIES

Electrical resistance of fibres-Measurement -Di electricity-Factors influencing di-electricity. static electricity-problems-elimination techniques. Flammability of fibres-thermal conductivity-Heat setting

### **Text Books:**

1. Trotman, E.R., " Dyeing and chemical Technology of Textile Fibres ", Charles Griffin and Co Ltd., London. 1990.

**References:**

1. Hall A.J., " Textile Chemistry ", American Elsevier Publishing Co. Inc., New York , 1986.
2. Peters, R.H., " Textile Chemistry Vol.I, II and III ", Elsevier Publishing Co.Inc., New York, 1985.
3. Vaidya A.A. and Trivedi S.S., " Textile Auxilliaries and finishing chemicals ", ATIRA, Ahmedabad, 1985.
4. Shenai, V.A., " Textile Fibres ", Sevak Publications, Bombay, 1986.
5. Marsh J.T., " An Introduction to Textile Finishing ", B.I. Publication, Bombay, 1989.
6. Marsh J.T., " Mercerizing ", Chapman and Hall Ltd., London, 1041.
7. Menachem Lewin and Stephen B.Sello, " Handbook of fibre science and Technology; Vol.I, Fundamentals and preparation-Part A ", Marcel Dekker Inc., New York, 1983.
8. Shenai, V.A. " Technology of Bleaching and Mercerzing-Vol.III ", Sevak Publications Chennai, 1991.
9. Bhagwat R.S " Handbook of Textile Processing ", Colour Publication, Mumbai, 1999.:
10. Meredith. R and Hearle, J.W.S., " Physical methods of investigation of Textiles ", Wiley Publication, NY, 1989.
11. Morton W.E and Hearle, J.W.S., " Physical Properties of Textile Fibres ", The Textile Institute, England, 1993.

**References:**

1. Meredith R. " Mechanical properties of Textile Fibres ", North Holland, Amsterdam 1986.
  2. Milton Harris, M. " Hand Book of Textile Fibres ", Haris Research Lab. Inc., Washington, 1984.
  3. Hearle, J.W.S., " Polymers and their properties ", Vol. 1, Fundamentals of Structure and Mechanics, Ellis Horwood, England, 1982.
  4. Carty, P " Fibre Properties ", From word, U.K. 2nd Ed.1994.
  5. Greaves P.H. and Aville B.P., " Microscopy of Textile Fibres ", Bios Scientific U.K., 1995
  6. Saville, " Physical Testing of Textiles ", M.K.Book Distributors, 1998.
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- 7 " Identification of Textile Materials ", 7th Edition, published by The Textile Institute



**MASTER OF TEXTILE DESIGN SEMESTER I**  
**COLOUR AND DESIGN**  
**1MTDT-2**

**Theory- 80**

**Sessional -20**

**Objectives-**

Students of textile design are required to draw various forms of objects from their surroundings and nature from design point of view e.g flowers, leaves, fruits, plants, monuments etc. The translation of ideas into practice without the use of this graphic language is really beyond imagination. The students are supposed to go for outdoor sketching, also to the museums, gardens and monuments so that they can use various shapes, colours and textures in their designs.

They are supposed to know the concepts of construction of designs in various styles by using various techniques according to the suitability of various kinds of fabrics on paper with colours. Students are given understanding of all elements and concepts of design through various exercises. They are also taught use of different tools and art-materials.

They should know the basics of colour theory, to enhance the beauty of design. Colour plays a vital role in design. With various mediums like coloured inks, crayon, water colours and poster colours etc, they are taught to create colour mixing, colour combinations and texture, creating various tonal effects

**UNIT I**

- Elements of design- dot, curves line, space, shape/form, composition, colour, texture shine, rough, silhouettes.
- Principles of design: Balance, rhythm, harmony, repetition, grading, unity, symmetry.
- Color Theory: Color wheel - primary, secondary, transparency. Techniques of color mixing.
- Color Contrast and Attributes: interaction, harmony, psychology, mood, culture and expression.
- Composition: Color, space, movement, balance, asymmetry, rhythm, shapes, proportion.

**UNIT II**

- Basic color schemes- achromatic, analogues, monochromatic, complimentary, and neutral.
- Planning a colour story
- Rendering & its types.
- Define collage- types of collage.
- Textures-types of textures.
- Textural effects, using textures in designs.

**UNIT III**

- Creating Classic and innovative designs details-for necklines, Skirts, pockets,Saree borders of traditional saree s of different states etc.
- Illustration of designs- based on any five contemporary themes.

## **UNIT IV**

Understanding of 3-dimensional effects in design

Students will make motifs by using basic shapes with tonal effects in the following mediums

- Black pencils (HB, 2B, 4B, 6B)
- Pencil colours/Postal colours

.1 Study of Drapery 1.2 Different folds of drapery may be studied with any back ground by pencil shading

**SESSIONAL** –Will be based on the work of all the 4 units

## **RECOMMENDED BOOKS**

1. How to draw and paint by A Walter foster; published by E.D. Galgotia and sons.
2. Flowers and still life by A Walter foster; published by E.D. Galgotia and sons.
2. How to draw and paint textures of animals by A Walter foster; published by E.D. Galgotia and sons. 4 The Encyclopaedia of Patterns and Motifs by Dorothy Bosomworth; Studio London
3. Designer's Guide to Colour 3 by Jeanne Alen; Chronicle Books, San Francisco
4. Fabric Painting by Jill Kennedy and Jane Varsall; BT Batsford Ltd., London
5. Designer's Guide to Japanese Patterns by Jeanne Allen; Chronicle Books, San
6. Handwoven Fabrics of India by Jasleen Dhamija and Jyotindra Jain; Mapin Publishing Pvt. Ltd., Ahmedabad
7. Impression - A Classic Collection of Textile Design by K Prakash; The Design
8. Point, B-7, Shiv Krupa Apartments, Old Nagaradas Road, Andheri (E) Bombay
9. 400 069 (India)

**MASTER OF TEXTILE DESIGN SEMESTER I**  
**COLOUR AND DESIGN**  
**1MTDP-1**

**PRACTICAL-50**  
**TERMWORK-50**

Understanding of different shapes of objects, opaque and transparent objects, glazed and rough surface; objects and use of different mediums

Study of Drapery 1.2 Different folds of drapery may be studied with any back ground by pencil shading

Students will make motifs such as mayil, rui phool, rudraksha, annam, chaupad, paan, bunda, kollam, shankh, kamalam, kili in the following mediums

Black pencils (HB, 2B, 4B, 6B)

Coloured Inks (Sketch pens)

Poster colours

Understanding of construction of jacquard design

Students will make motifs with colour and weave effect in the following mediums

Coloured inks

Poster Colours

Construction of designs with various basic shapes to understand the concept of space organization

Students will make motifs of designs with various basic shapes (geometrical/free hand) in various small and big sizes in the following mediums Coloured papers/glazed papers

Postal papers

Black papers

Brown papers

Exploration and experiment with liner and compass liner

Students will make motifs directly using liner and compass liner only with medium coloured inks or postal colours

Shirting & suiting (Stripes & checks)

Understanding of 3-dimensional effects

in design Students will make motifs by using basic shapes with tonal effects in the following mediums

Black pencils (HB, 2B, 4B, 6B)

Pencil colours/Postal colours

Understanding of Texture Effects 4.1 Students will make motifs by using various shapes with variations of texture effects in the following mediums:

Black pencils (HB, 2B, 4B, 6B)

Water colours/Postal Colours/Inks

Prepare Charts of classification of following colours

Primary Colours: (red, yellow and blue) in various geometrical

shapes Secondary colours: Orange, green and violet in circles

Sub secondary tertiary colours: by mixing secondary and primary colours

- Colour Wheel (chromatic circle): Make a wheel showing primary, secondary, sub 3.
- Achromatic Colours: Make a composition of different geometrical shapes in 12||x12|| and paint it with acromatic colours giving it as many colours as possible.
- Monochromatic Colours: Make a composition of floral designs in different blocks using as many shades of monochromatic colours as possible
- Polychromatic Colours: Make a composition of abstract designs and fill it with polychromatic colours
- Analogous Colour: Make a floral design showing analogous colour scheme
- Methods of Modification of colours: Students will produce various colours by mixing different colours in different ratios e.g. yellow + blue = green
- Note: Mixing and developing of different colour shades may be shown on computer so that the students are able to appreciate the importance of the subject

#### ACTIVITY-

Students should be taken out for field visits, museums, exhibitions, market, etc for clarifying the concepts and principles of this course as per requirement.

#### **PRACTICAL AND TERM WORK WILL BE BASED ON ALL THE FOUR UNITS OF THEORY ALSO**

#### REFERENCES-

1. Textile Designs- Idea and Applications by Joel Sokoelov; PBC International, Inc., a. New York
2. History of Textile Design by VA Shenai; Sevak Publications, Bombay 400 031
3. Fabric Art Heritage of India by Sukla Dass; Abhinav Publications
4. Fabric Painting Made Easy by Nancy Ward; Craft Kaleidoscope, Chilton Book Company, Radnor, Pennsylvania
6. Watson's Textile Design and Colour by Z Grosicki; Universal Publishing Corporation, Bombay (India)
8. Textile Designs- 200 years of Patterns for Printed Fabrics Arranged by Motifs, a. Colours, Period and Design by Susan Maller and Joost Elffers; Thames and Hudson
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