


Government of Karnataka
Department of Technical Education
Board of Technical Examinations, Bangalore
DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
FIFTH SEMESTER

	Course Title: INDIAN TEXTILES & CRAFTS		
	Credits (L:T:P) : 4:0:0	Total Contact Hours:52	Course Code: 15FT52T
	Type of Course: Lectures, Self Study & Quiz	Credit :04 SEE- 100 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisites: Knowledge of Basic textiles and Indian

COURSE OBJECTIVES

1. Tabulate the development of Indian textile
2. Observe the various regional textiles
3. Choose the application of technical textiles
4. Differentiate the smart and intelligent textiles
5. Compile crafts and paintings of India

Course Outcomes		CL	Linked PO	Teaching hrs
CO1	The students are able to identify the ancient and traditional textiles	U/A	1,3,4,5,10	4 hrs
CO2	Able to understand and differentiate various regional textiles.	U/R/A	1,3,4,6,7,10	12hrs
CO3	Apply and usage of textile in various fields	U/R/A	2,4,5,7,8,10	12hrs
CO4	Application and usage of E- textiles in modern trends.	U/R/A	1,8,9,10	4hrs
CO5	Distinguish the various regional crafts and apply the same in lifelong learning process.	U/R/A	2,3,5,6,7,9,10	12 hrs
CO6	Differentiate and interpret the regional paintings.	U/R/A	2,3,5,6,7,9,10	8 hrs

COURSE - PO ATTAINMENT MATRIX

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
INDIAN TEXTILES & CRAFTS	2	3	3	3	3	3	3	2	2	3

Level 3- Highly Addressed, Level 2-Moderately Addressed, Level 1-Low Addressed.

Method is to relate the level of PO with the number of hours devoted to the COs which address the given PO.

If $\geq 40\%$ of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 3

If 25 to 40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 2

If 5 to 25% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 1

If $< 5\%$ of classroom sessions addressing a particular PO, it is considered that PO is considered not-addressed.

COURSE CONTENT AND BLUE PRINT OF MARKS FOR SEE

Unit No	Unit Name	Hour	Questions to be set for (5marks) PART - A			Questions to be set for (10marks) PART - B			Marks weightage (%)
			R	U	A	R	U	A	
1	Indian Textiles	4	-	1	-	-	-	1	7.69
2	Traditional Textiles	12	-	1	1	-	1	1	23.07
3	Technical Textiles.	12	-	1	1	1	-	1	23.07
4	Smart & Intelligent Textiles	4	-	1	-	-	-	1	7.69
5	Regional Crafts	12	1	-	1	-	1	1	23.07
6	Regional Paintings	8	1	-	-	-	1	1	15.38
			09(45marks)			10(100 marks)			100
	TOTAL	52							

Legend: R; Remember, U: Understand A: Application

CONTENT

Unit	Major Topics	Hours Allotted
1	INDIAN TEXTILES	4
2	TRADITIONAL TEXTILES	12
3	TECHNICAL TEXTILES.	12
4	SMART & INTELLIGENT TEXTILES	4
5	REGIONAL CRAFTS	12
6	REGIONAL PAINTINGS	8
	TOTAL	52 hrs

UNIT -I
INDIAN TEXTILES **4 hrs**

- 1.1 Introduction to Indian Textiles – Pre-historic and Indus Valley region
- 1.2 Classification – Dyed, Resist Dyed, Printed And Embroidered

UNIT –II

TRADITIONAL TEXTILES **12hrs**

- 2.1 Introduction - Origin, Definition, Techniques Of Traditional Manufacturing, Cost, Types Related To Below Textiles.
- 2.2 Traditional Sarees North - Dacca & Jamavars of Bengal, Jamdani of Uttar Pradesh, Chanderi of Madhya Pradesh, Brocades of Varanasi, Patola of Gujarat
- 2.3 Traditional Sarees South - Kanchipuram of Tamilnadu, Pochampalli, Gadwal & Venkatagiri of Andhra Pradesh- Telangana, Mokolamuru of Karnataka, Paithani of Maharashtra, Ikats of Orissa

UNIT -III **12 hrs**
TECHNICAL TEXTILES.

- 3.1 Introduction
- 3.2 Classification of technical textiles – Geo tech, Medical tech
- 3.3 Agro tech, Build tech, Cloth tech, Home tech and Indu tech (industrial textiles), Mobile tech (Textile used in transport, automotive and aero space), Oekotech or Echo tech (Environmentally friendly textiles)
- 3.4 Application and uses of above technical textiles.
- 3.5 Present scenario & scope of technical textiles.

UNIT -IV **4 hrs**
SMART & INTELLIGENT TEXTILES

- 4.1 Introduction to smart textiles, scope, importance and uses.
- 4.2 Introduction to 3D-printed Textiles
- 4.3 Classification – Passive smart, Active smart, Ultra smart.
- 4.4 Application of smart textiles.
- 4.5 Intelligent textiles – introduction, scope, importance and uses.
- 4.6 Classification - Shape, Memory, Materials, Chromic material, Membranes

UNIT - V **12 hrs**
REGIONAL CRAFTS

- 5.1 Sandal Wood craft of South India
- 5.2 Carpet weaving of North India (Jammu & Kashmir, Uttar Pradesh)
- 5.3 Cane and Bamboo work of North East India

5.4 Sea shell, papier-mâché, coconut shell carving, fiber craft of South & West India

UNIT - VI

REGIONAL PAINTINGS

8 hrs

6.1 Mysore Paintings, Tanjore Paintings, Murals Painting of Kerala

6.2 Moghal Miniature Paintings, Pahari Miniature Paintings, Madhubani Paintings of Bihar

6.3 Modern Indian Paintings – Water colours, Oil paintings, Mixed Media

TEST

SEMINAR

Each group to select one of the following topics for the seminar. (no group should repeat topic)

1. Technical Textiles
2. Indian Crafts
3. Indian Paintings
4. E-Textiles
5. Crafts of Karnataka

Indicative Reference:

1. High Performance organic fibers for industrial use –D.S.Verma
2. Industrial Textiles—Sabit.adanur
3. Textile terms and definitions—textile institute publications

Related e –References

<http://www.camelcraft.com/karnataka-handicrafts.html>
<http://blog.mapsofindia.com/handicrafts/north-india-handicrafts/>
<http://ignca.nic.in/craft001.htm>
<http://blog.mapsofindia.com/handicrafts/west-india-handicrafts/>
https://en.wikipedia.org/wiki/Mysore_painting
https://en.wikipedia.org/wiki/Indian_painting#Madhubani_painting
https://en.wikipedia.org/wiki/Indian_painting#Modern_Indian_Painting

Further reading

- *Havell, E. B. (1908). Indian sculpture and painting. John Murray, London.*
- *Coomaraswamy, Ananda K. (1914). Viśvakarmā ; examples of Indian architecture, sculpture, painting, handicraft. London.*
- *Havell, E. B. (1920). A Handbook of Indian Art. John Murray, London.*
- *Indian Painting*, by Percy Brown. Published by Y. M. C. A. publishing house, 1960.
- *Indian Painting*, by Philip S. Rawson. Published by P.Tisné, 1961.
- *Indian Painting: The Scene, Themes, and Legends*, by Mohindar Singh Randhawa, John Kenneth Galbraith. Published by Houghton Mifflin, 1968.
- *Indian Painting*, by Douglas E. Barrett, Basil Gray. Published by Skira, 1978. ISBN 0-8478-0160-8.
- Kossak, Steven. (1997). *Indian court painting, 16th–19th century*. Metropolitan Museum of Art. ISBN 0-87099-783-1
- Lerner, Martin (1984). *The flame and the lotus: Indian and Southeast Asian art from the Kronos collections*. New York: The Metropolitan Museum of Art. ISBN 0-87099-374-7.
- *A History of Indian Painting: The Modern Period* by Krishna Chaitanya. Published by Abhinav Publications, 1994. ISBN 81-7017-310-8.
- *Ramayana by Valmiki illustrated with Indian miniatures from the 16th to the 19th century*, Diane de Selliers Publisher, 2011, ISBN 978-2-903656-76-8
- Welch, Stuart Cary (1985). *India: art and culture, 1300-1900*. New York: The Metropolitan Museum of Art. ISBN 978-0-944142-13-4.

External links

- [Miniature Painting, Wall paintings, and modern Indian painting](#), Indian Government, Centre for Cultural Resources and Training
- [Archaeological Survey of India](#)
- [Mithila Paintings or Madhubani Paintings](#)

Online exhibits

- [Metmuseum.org](#)

COURSE ASSESSMENT AND EVALUATION

	What		To Whom	Frequency	Max. Marks	Evidence Collected	Course Outcomes
DIRECT ASSESSMENT		IA Tests	Students	Three IA (Average marks of three IA tests are considered)	20	Blue Books	1 to 6
		Class room Assignments		Class room Assignments	05	Log of Activity	1 to 6
				TOTAL	25		
	SEE -SEMESTER END EXAMINATION	End Exam		End Of the Course	100	Answer Scripts	ALL CO's
INDIRECT ASSESSMENT	Student Feedback on course		Students	Middle Of The Course	Feed Back Forms		
	End of Course Survey			End Of The Course	Questionnaire		ALL CO's

Note: I.A. test shall be conducted for 20 marks. Average marks of three tests shall be rounded off to the next higher digit.

Note to IA verifier: The following documents to be verified by CIE verifier at the end of semester

1. Blue books (20 marks)
2. Student suggested activities report for 5 marks evaluated through appropriate rubrics.
3. Student feedback on course regarding Effectiveness of Delivery of instructions & Assessment Methods

MODEL OF RUBRICS FOR ASSESSING STUDENT ACTIVITY

Dimension	Scale					Students Score				
	Needs improvement 1	Developing 2	Satisfactory 3	Good 4	Exemplary 5	1	2	3	4	5
1.Research & gather information	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collects some basic information; most refer to the topic	Collects a good information; all refer to the topic	Collects a excellent deal of information; all refer to the topic	Ex: 2				
2.Fulfil team's roles & duties	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collects some basic information; most refer to the topic	Collects a good information all refer to the topic	Collects a excellent deal of information; all refer to the topic	3				
3.Shares work equally	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collects some basic information; most refer to the topic	Collects a good information all refer to the topic	Collects a excellent deal of information; all refer to the topic	4				
4.Listen to other Team mates	Does not collect any information relating to the topic	Collects very limited information; some relate to the topic	Collects some basic information; most refer to the topic	Collects a good information; all refer to the topic	Collects a excellent deal of information; all refer to the topic	5				
Grand Average/Total=(2+3+4+5)=14/4=3.5=4						4				

Note: The above rubric is only an example. The concerned Course Coordinator may devise appropriate rubrics for the assigned activity.

MODEL QUESTION PAPER (CIE)

Test/Date and Time	Semester/year	Course/Course Code	Max Marks	
Ex: I test/6 th week of sem 10-11 a m	V SEM	INDIAN TEXTILES & CRAFTS	20	
	Year: 2017-18	Course code:15FT52T		
Name of Course coordinator :			Units:1,2 Co: 1,2	
Note: Answer all questions				
Q. no	Question	CL	CO	PO
1	Summarize Indian textiles	A	1	1,3,4,5,10
2	Differentiate between ancient and traditional textiles.	U	1	1,3,4,5,10
	OR			
	Describe ancient Textiles of Indus valley Region	A	1	1,3,4,5,10
3	Explain the regional textile of Karnataka and Kashmir	A	2	1,3,4,6,7,10
	OR			
	Define Brocades of Varnasi	R	2	1,3,4,6,7,10
4.	Describe the traditional textiles of Tamilnadu	A	2	1,3,4,6,7,10

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**QUESTION BANK
PART-A**

Q.NO	DESCRIPTION	CL	CO'S
1	Classify hand embroidered textiles	A	1
2	Give an introduction about Indian textiles	A	1
3	Write a brief note on Jamdanis of Uttar Pradesh	R/A	2
4	Describe the traditional textiles of Tamilnadu	A	2
5	Enlist Technical Textiles	R	3
6	Explain Agro tech Textiles	A	3
7	Define Smart Textiles and explain	U/A	4
8	Explain Membranes	A	4
9	Describe Carpet Weaving of North India	A	5
10	Enlist Regional Crafts	R	5
11	Explain Mysore Paintings	A	6
12	Enlist Regional Paintings	A	6

PART-B

Q.NO	DESCRIPTION	CL	CO'S
1	Describe ancient Textiles of Indus valley Region	A	1
2	Explain the Classification of Indian Textiles	A	1
3	Explain Gadwall Textiles	A	2
4	Describe the traditional textiles of Mokalamura	A	2
5	Enlist Technical Textiles	R/A	3
6	Explain Agro tech Textiles	A	3
7	Define Smart Textiles and explain	A	4

8	Explain Membranes	A	4
9	Describe Carpet Weaving of North India	A	5
10	Enlist Regional Crafts	R	5
11	Explain Mysore Paintings	A	6
12	Enlist Regional Paintings	R/A	6

**MODEL QUESTION PAPER
PART-A**

ANSWER ANY SIX QUESTIONS, EACH QUESTION CARRIES FIVE MARKS

Q.NO	DESCRIPTION	CL	CO'S
1	Classify hand embroidered textiles	R	1
2	Write a brief note on Jamdanis of Uttar Pradesh	U	2
3	Describe the traditional textiles of Tamilnadu	A	2
4	Enlist Technical Textiles	R	3
5	Explain Agro tech Textiles	A	3
6	Define Smart Textiles and explain	A	4
7	Describe Carpet Weaving of North India	A	5
8	Enlist Regional Crafts	R	5
9	Explain Mysore Paintings	A	6

PART-B

ANSWER ANY SEVEN QUESTIONS, EACH QUESTION CARRIES TEN MARKS

Q.NO	DESCRIPTION	CL	CO'S
1	Describe ancient Textiles of Indus valley Region	R/A	1
2	Explain Gadwall Textiles	A	2
3	Describe the traditional textiles of Mokalamura	A	2
4	Enlist Technical Textiles	R	3
5	Explain Agro tech Textiles	A	3
6	Define Smart Textiles and explain	R/A	4
7	Describe Carpet Weaving of North India	A	5
8	Enlist Regional Crafts	R	5
9	Explain Mysore Paintings	A	6
10	Enlist Regional Paintings	R	6