

Subject Teacher	: Asfakur Rahman (Instructor)
Subject Name	: Textile Raw Materials- 1
Subject Code	: 1921
Technology	: Garments Design and Pattern making
Semester	: 3 rd GDPM
Reference Book	: Textile Raw Materials- 2 (Prime & RS Prokashani)

Marks	Grade Point	Letter Grade	Marks	Grade Point	Letter Grade
80>	4.00	A+	55-59	2.75	B-
75-79	3.75	A	50-54	2.50	C+
70-74	3.50	A-	45-49	2.25	C
65-69	3.25	B+	40-44	2.00	D
60-64	3.00	B	0-39	0.00	F

Mark Distribution (for 150 Marks)			
Theory Marks		Practical Marks	
Midterm	10	PC	00
Class test	05	PF	00
Quiz test	05	-	-
Final	80	-	-
Total	100	Total	

INTENTION:

1. To enable the students a clear idea of textile raw materials.
2. To develop the basic knowledge of different natural textile fibres.
3. To develop the knowledge of different natural fibres properties.
4. To develop the knowledge of natural filament yarn production.

SHORT DESCRIPTION

To understand the basic concepts of Cotton fibres; Jute fibres; Linen and Heamp fibre; Sisal and coir fibres; Wool fibres; Silk fibres.

DETAIL DESCRIPTION

Lecture	Chapter	Supporting Equipment	Topic	Benefits
01	Understand the Textile raw materials.	<p>Projector showing- Different types of natural fibre.</p> <p>Fibre showing .</p> <p>YouTube video link – Search https://www.youtube.com/watch?v=lvrcNm7XII8</p>	<p>State the term “textile raw materials”.</p> <p>State the purposes of different textile raw materials.</p> <p>Describe the characteristics of textile fibre.</p> <p>Mention the classification of textile fibres with examples.</p>	* To know about natural fibre.
02	Understand the cotton fibre.	<p>Projector showing- concept of cotton fibre.</p> <p>YouTube video link – https://www.youtube.com/watch?v=lvrcNm7XII8</p>	<p>Describe the history of cotton fibre.</p> <p>Describe the cultivation & harvesting of cotton fibre.</p> <p>Define grading of cotton fibres.</p> <p>Describe the points to be considered for cotton grading.</p> <p>Mention the different systems of grading.</p>	* To know about cotton fibre with chemical structure.

03	Quiz Test	Exam Paper	Chapter 1 & 2 Theoretically and practically based.	Understand fibre & cotton fibre with its chemical composition, production and uses.
04	Understand the jute fibre.	Projector showing- Physically showing jute fibre. YouTube video link – https://www.youtube.com/watch?v=Bc1-EuqbA8A	* Describe the history of jute fibre. * Describe the cultivation & rotting of jute fibre * Mention the botanical name of jute fibre. * Describe the classification of jute fibre. * Describe the grading of jute fibre..	*To know about jute fibre. * To know about structure of jute fibre.
05	Quiz Test	Exam Paper	Chapter 3 & 4 Theoretically and practically based.	Concept of jute & flax fibre. Chemical composition & uses.
06	Understand the linen/flax fibre.	Projector showing- Physically showing flax fibre. YouTube video link- https://www.youtube.com/watch?v=LNDbINF6Vew	Describe the history of linen fibre. * Describe the cultivation and harvesting of linen/flax fibre. * Describe the retting of linen/flax fibre. * Mention the classification of linen/flax fibre. * Mention the composition of linen/flax fibre.	*To know about properties of flax fibre. *To know about the end uses of flaxfibre..
07	Class Test	Exam Paper	Chapter 3 & 4 Theoretically and practically based.	Concept of jute & flax fibre. Chemical composition & uses.
	Mid Term			

07	Understand the hemp fibre.	<p>YouTube video link-</p> <p>https://www.youtube.com/watch?v=4cWp7qSJXTA</p>	<ul style="list-style-type: none"> * Describe the history of hemp fibre. * Describe the cultivation and harvesting of hemp fibre. * Describe the retting of hemp fibre. * Mention the classification of hemp fibre. * Mention the composition of hemp fibre. * Mention the physical properties of hemp fibre. 	<ul style="list-style-type: none"> *To know about properties of hemp fibre. *To know the end uses of hemp fibre.
08	QUIZ Test	Exam paper	Chapter: 5 & 6 Theoretically and practically based.	<ul style="list-style-type: none"> *Chemical Composition POLYESTER & ACRYLIC fibre. Production procedure flow chart.
09	Understand the sisal and coir fibre.	<p>YouTube video link –</p> <p>https://www.youtube.com/watch?v=ijHvfn2vcss</p>	<ul style="list-style-type: none"> Describe the cultivation of sisal and coir fibre. Mention the composition of sisal and coir fibre. Describe the properties of sisal and coir fibre. 	<ul style="list-style-type: none"> * Chemical Composition sisal wool fibre. * Production procedure flow chart.
10	Understand the wool fibre.	<p>YouTube video link-</p> <p>https://www.youtube.com/watch?v=3UnMBDsZJW8</p>	<ul style="list-style-type: none"> 7.1 Describe the history of wool fibres. 7.2 Mention the classification of wool fibre. 7.3 Describe the grading of wool fibre. 7.4 State the physical characteristics of wool fibre 7.5 Describe the preparatory process of wool fibre. 7.6 Mention the physical properties of wool fibre. 7.7 Describe the chemical properties of wool fibre. 	<ul style="list-style-type: none"> history of wool fibres. classification of wool fibre. physical and chemical characteristics of wool fibre
11	Class test	Exam paper	Chapter 7	Clear concept of Wool fibre

12	Understand the silk fibre.	YouTube video link- https://www.youtube.com/watch?v=kIZeS-g0UHo	8.1 Describe the history of silk fibre. 8.2 Describe production system of cocoons. 8.3 Describe the silk production in Bangladesh. 8.4 Mention the composition of silk fibre.	History of silk fibre. production system of cocoons.
13	Quiz Test 4	Exam paper	Chapter 8	Good knowledge
14	Understand the silk fibre.	YouTube video link- https://www.youtube.com/watch?v=kIZeS-g0UHo	8.5 Mention the classification of silk fibre. 8.6 Describe the degumming of silk fibre. 8.7 Mention the physical properties of silk fibre. 8.8 Describe the chemical properties of silk fibre.	classification of silk fibre. degumming of silk fibre. the chemical properties of silk fibre
15	Class test 4	Exam paper	Full chapter 8	Clear concept of Silk fibre
16	Review Class	Important Questions selection and problem solving.	Chapter: 1-4 (Regarding students problem)	*Achieve good concept on this chapter
17	Review class	Important Questions selection and problem solving.	Chapter:5-8 (Regarding students problem)	*Achieve good concept on this chapter
18	Presentation	Laptop, projector	Short presentation by individual student.	Be confident on practical life.