



3055 BA SANGAM COLLEGE

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WORKSHEET 8

School: Ba Sangam College

Name : _____

Subject: Home Economics

Year:10

Strand	HEC 10.3: CLOTHING AND TEXTILES
Sub strand	HEC 10.3.1 Study of Fibres and Fabrics, Blends and Finishes; Decorations
Content Learning Outcome	Distinguish properties of Human – Modified fibres and synthetic fibres and relate properties of fibres to their care.

SUMMARY OF CELLULOSIC- BASED MANUFACTURED FIBRES

Fibre	Properties	Advantages	Diasadvantages	Uses
Viscose Rayon	1. very high lustre 2. cheap to produce 3. weaker wet than dry 4. good conductors of heat 5. fabric tends to fray when cut	1. can be made flame retardant 2. Inexpensive 3. dyes and prints easily 4. absorbent 5. easily accepts finishes	1. poor wet strength 2. low resiliency 3. wrinkles easily 4. weakened by light	1. clothing 2. household items
Acetate	1. little elasticity and will crush readily unless specially treated 2. frays easily when cut 3. low abrasive properties 4. it is not attacked by mildew 5. cool iron is required 6. are absorbent but tend to dry slowly	1. absorbent 2. good colorfastness with some dyes 3. bright and lustrous or dull 4. luxurious feel 5. good resiliency 6. flame resistant 7. good draping qualities 8. inexpensive	1. poor wet strength 2. heat sensitive 3. soluble in acetone 4. generate static electricity	1. luxurious, silky clothing 2. draperies
Triacetate	1. shrink resistant 2. wrinkle resistant 3. easily washable 4. washable at high temperature 5. maintains creases and pleats well	1. good abrasion resistance 2. dyes easily 3. accepts heat setting 4. wrinkle resistant 5. whites stay white	1. dyes can be affected by ozone	1. light weight to heavy weight fabric

Polynosic	1. has a high luster 2. has a soft pleasant handle and drapes well 3. creases more readily than the other rayon 4. good conductors of heat and are suitable for summer wear 5. not quite so absorbent 6. easily washable 7. will shrink if not treated 8. attacked by mildew but are resistant to moths.	1. more durable in wearing and laundering 2. accepts heat setting 3. good conductors of heat 4. drapes well	1. are attacked by mildew 2. poor wet strength 3. low resiliency 4. wrinkles easily	1. bias cut dresses with gathers 2. under and outer wear garments 3. light weight fabrics
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Worksheet 8

1. Identify two advantages and two disadvantages of the following fibres:

a. Triacetate:

(2 marks)

Advantages:

- i. _____
ii. _____

Disadvantages:

- i. _____
ii. _____

b. Polynosic:

(2 marks)

Advantages:

- i. _____
ii. _____

Disadvantages:

- i. _____
ii. _____

2. State 2 uses of viscose rayon.

(2 marks)

- i. _____
ii. _____

3. Which fibre would be best recommended for summer wear. Give reason. **(2 marks)**

