CHEMISTRY

BOOKS - SRS PUBLICATION

HOW FABRICS ARE MADE

Question Bank

1. When we burn artificial fibers it gives a ____ smell.

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2. $Fibre \rightarrow_{\_\ \_\_} \rightarrow Fabric$

3. The process of removing seeds from cotton wool is called_____.

4. _____ is called golden fibre.

5. An example of a natural fibre_____.

6. Artificial fibre is

    A. Cotton

    B. Wool

    C. Acrylic

D. Jute

Answer: C

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7. An instrument for spinning

A. Needle

B. Knife

C. Spindle

D. Scissor

Answer: C

8. Making fabric from cotton yarn is called-

A. Spinning

B. Ginning

C. Weaving

D. Cutting

Answer: C

9. Jute fibre is obtained from this part of a jute plant

    A. Root

    B. Leaves

    C. Flowers

    D. Stem

Answer: D

▶

10. Name some salts which are used in your home?

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11. Yarn is stronger than fibre why?

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12. What is the difference between natural fibres and artificial fibres?

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13. How do you get jute yarn? Write the process.

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14. What will happen if a rain coat is made from cotton fabric? Why?

15. Make a flow chart showing the process of getting a fabric (clothes)from cotton plant

16. Siri donated cloth bags to her schoolmates on her birthday.why should we appreciate her?

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17. Prepare some slogans to promote using natural fibre bags instead of polythene bags.

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18. Prepare a bag using cloth.

19. Make a scrap book containing picture of different types of febric and name them.

20. Discuss with your teacher and prepare an information chart about spinning mills in your state.

21. Collect news items about handloom workers and cotton growers. Analyze one news item in your own way.

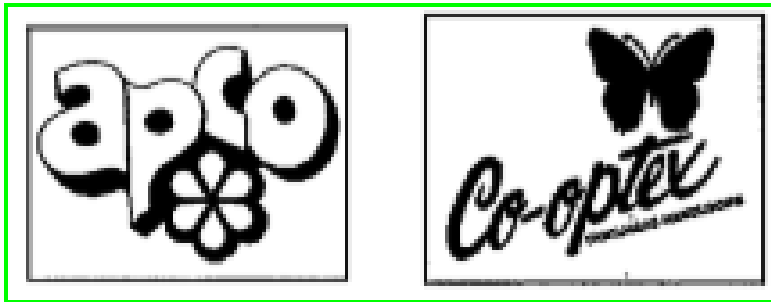▶ **Watch Video Solution**

22. What did you do to know whether artificial fibres give pungent smell while burning? Write the steps of your experiment.

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23. Observe the logos. What does this mean? Collect information about this from your school   library.

24. People dress up according to the season.The earth's revolution is responsible for the changing seasons.

25. Try to find out the properties of each type

of fabric(cotton,wool ,polyester,etc.)

26. Look at the Telangana map and list out the

places where cotton is grown.

27. What are the uses of gunny bags?

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28. Where do you see them?

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29. How is jute yarn made?

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30. Is this process of artificial fibtre similar to that of cotton or is there any difference?

A. same

B. different

C. both

D. none

Answer:

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List the fabric items in your house and state what type of fabric they are made of. Classify them into cotton, silk, wool, polyester, terylene, etc. Try to enrich the list as much as you can. For identifying the fabrics, you can take the help of your elders and teachers.

Table: 2

S.No	Type of Fabric	Fabric Items
1.	Cotton	Shirt, towel, saree
2.	Silk	Kurta, saree, wedding gowns, ties, pyjamas
3.	Wool	Sweater, muffler, gloves, jackets, scarfs
4.	Polyester	Raincoat, umbrella, swim suits
5.	Linen	Trousers, shirts, saree, aprons, table clothes

31.

Which kind of fabric mostly used in your house?

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32.

How can you identify the type of fabric?

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Collect some natural and artificial fabrics and observe the following characterstics. Record your observations in table 3.

Table: 3

S.No	Character	Natural Fabric	Artificial Fabric
1.	Water absorbing nature	more	less
2.	Time taken to dry	more time	less time
3.	Smell while burning	no smell	pungent smell
4.	Result after burning	forms ash	melts
5.	Stretching capacity of yarn	less	more
6.	Smoothness	rough	smooth

33.

Which type of fabric are smooth in nature?

Collect some natural and artificial fabrics and observe the following characterstics. Record your observations in table 3.

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34.

Which type of fabric dry in a short time.

35. Do you find any relation between smoothness and time to dry?

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36.

Which fabrics give ash when they are burnt?

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37. Collect some aquatic plants-cut the leaves and stems. Observe them under microscope and record your observations like air

presence/absence of air spaces etc and answer the below:

What make them float?

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38. Coconut is also a fibre. Make a list of some articles made of coconut fibre.

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39. Explain the process of making yarn from cotton wool.

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40. What would you do to remove wrinkles from your shirt or skirt?

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41. Nibha wants to buy clothes to parents for winter wear. What type of clothes would you suggest? Specify reasons.

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42. Why do we call some fibres artificial man made fibres?

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43. What will happen, if we use cotton ropes in preparing parachutes?

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44. Which fabrics do you prefer? Natural or synthetic? Why? Discuss comparatively.

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45. Ramesh wants to buy shirts for summer.What type of clothes would you suggest him to buy?

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46. Give two examples of following: Fibres from plant

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47. Give two examples of following:Fibres from animals

▶ **Watch Video Solution**

48. Give two examples of following:Artificial fibres

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49. Write about spinning.

50. Write about weaving

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51. Gunny bags are made of _____

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52. Why is there a difference in the prices of fabrics?

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53. What are the advantages of natural fibre over artificial fibre?

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54. Traditionally fishermen used cotton nets. Now they are using nylon nets. What is the advantage of using nylon nets?

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55. While purchasing your dress what doubts would you clarify from the shopkeeper?

> ▶ Watch Video Solution

56. Ask your friend to think the name of any food. Now you have to guess its name.For this you can ask some question. Your friend can only answer in Yes or No . What/How many questions did you ask b efore you could guess the answer ?

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57. Your school planned an educational tour to mangalagiri handloom industry.you met a

weaver weaving a saree there.what questions you ask the weaver?

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58. You have met a textile merchant .What questions you ask him?

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59. How do you identify the threads in the febric? Describe the procedure.

60. You are given a piece of cloth.How do you identify its fibres?

61. Classify the fabric of following items as natural or artificial. Dhothi, Venkatagiri saree, jeans, umbrella cloth,bed sheets,your shirt or skirt,rain coat,gunny bags.

62. Read the following fibres and classify them as natural fibre artificial fibre in tabular form.

Wool,nylon,terylene,cotton ,silk ,acrylic,polyester

63. Write a flow chart regarding coconut husk?

64. Write the process of mat making using diagram.

65. How do you appreciate the introduction of artificial fibre in the textile industry?

66. Which fibres source material is not exhaustible? Why?

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67. What type of clothes do you wear in winter?

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68. Cotton is mainly

69. An instrument for spinning

70. Which of the following will be obtained from plants and animals?

    A. A. Natural fibres

    B. B. Artificial fibres

C. C. Synthetic fibres

D. D. Both B and C

Answer: A

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71. Which of the following is an example of artificial fibre?

A. 1. Cotton

B. 2. Wool

C. 3. Silk

D. 4. Nylon

Answer: D

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72. The process of removing seeds from cotton wool is called_____.

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73. Making fabric from cotton yarn is called-

74. _____ is called golden fibre.

75. Fibres made up of chemicals are called_____.

A. 1. Artificial

B. 2. man made

C. 3. synthetic

D. 4. All of these

Answer: D

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76. Match the following

Match the following.

Group – I			Group – II
1. Silk	(·)	a)	Fur of sheep
2. Wool	( )	b)	Plant fibre
3. Jute	(·)	c)	Cotton bolls
4. Cotton	·( )	d)	Silk worm

A. 1. 1-a,2-b,3-c,4-d

B. 2. 1-d,2-a,3-b,4-c

C. 3. 1-d,2-c,3-b,4-a

D. 4. 1-c,2-b,3-d,4-a

Answer: B

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77. Match the following

Group – I		Group – II
1. Animal fibre	(·)	a) Cotton
2. Plant fibre	( )	b) Nylon
3. Artificial fibre	( )	c) Wool

A. 1. 1-a,2-b,3-c

B. 2. 1-c,2-b,3-a

C. 3. 1-c,2-a,3-b

D. 4. 1-a,2-c,3-b

Answer: C

78. Jute fibre is obtained from this part of a jute plant

79. Looms operated by man power are called

A. 1. Powerlooms

B. 2. handlooms

C. 3. Spindle

D. 4. All of these

Answer: A

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80. Looms operated by the electric motors

A. Powerlooms

B. handlooms

C. Spindle

D. All of these

Answer: A

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81. Ginning is the process associated with...........................

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82. Arranging of yarn horizontally and vertically to make fabric is known as...............................

83. Which of the following is made up of

natural fibre?

A. 1. Rain coat

B. 2. Shoe lace

C. 3. Synthetic saree

D. 4. Silk saree

Answer: D

84. Jute industries are found in the following states.

A. 1. West bengal ,assam

B. 2. Odisha , Bihar

C. 3. Tripura,Meghalaya

D. 4. All of these

Answer: D

85. Match the following columns

. Fill the blanks

Silk   - Saree

Cotton -. ....

Linen   - Trousers

A. Towel

B. Saree

C. Shirt

D. All of these

Answer: D

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86. Find the mismatched one

    A. 1. Summer-cotton

    B. 2. Rainy-silk

    C. 3. Winter-wool

    D. 4. All of these

Answer: C

87. Match the following

Group - I			Group - II
1. Cotton	(	)	a) Moths
2. Polyester	(	)	b) Heavy fabrics
3. Silk	(	)	c) Light fabrics

A. 1.1-a,2-b,3-c

B. 2. 1-c,2-b,3-a

C. 3. 1-c,2-a,3-b

D. 4. 1-b,2-c,3-a

Answer: B

88. Choose the correct statement regarding natural fibre

    A. Absorbs more water

    B. Less time to dry

    C. Chemicals are used to make

    D. All of these

Answer: A

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89. Cotton grows in ___ soil.

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90. The special property of silk fabric:

A. Slippery

B. Coarse

C. Shiny

D. Both A and C

Answer: D

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91. Cotton crop is widely grown in districts of

_____

A. Krishna guntur

B. Krishna prakasam

C. Prakasam guntur

D. Chittoor krishna

Answer: C

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92. When natural fibre is burnt it gives_____

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93. When artificial fibre is burnt

A. $a.$ Melts

B. $b.$ Give pungent smell

C. $c.$ Gives ash

D. $d.$ Both a and b

Answer: D

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94. Paddy chilli and other commercial crops are usually packed in _____ bags

A. 1. cotton

B. 2. silk

C. 3. jute

D. 4. both 1 and 2

Answer: C

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95. Human being in ancient times used _____ as clothes,

A. 1. leaves

B. 2. skin of animals

C. 3. metals

D. 4. all of these

Answer: C

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96. Machilipatnam pedana are famous for hand printed cotton textile called ____

97. This is not a plant fibre.........................

    A. Nylon

    B. Hemp

    C. Flax

    D. Jute

Answer: A

98. Which of the following is not a natural fibre?

A. Silk

B. Wool

C. Polyester

D. Cotton

Answer: C

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99. Silk:Insect:Wool:_____

100. Why do we dye the yarns and coated then with chemicals?

A. To get soft fabric

B. To make weak fabric

C. To get strong fabric

D. All of these

Answer: C

101. If the fibre absorbs less water high in stretching capacity and melts on burning what is it?

A. a. Natural fibres

B. b. Artificial fibres

C. c. man made fibre

D. d. Both b and c

Answer: D

102. What will you do before inserting the thread into the eye of the needle?

    A. a. WET THE end

    B. b. Twist the end

    C. c. both a and b

    D. d. Melt the end

Answer: C

103. Choose the correct order in making choose yarn

   A. 1. cotton ball → Fibre → Yarn →

      Fabric

   B. 2. Fibre → Cotton boll → fibre →

      fabric`

C. 3. Cotton boll $\rightarrow$ yarn $\rightarrow$ fibre $\rightarrow$ fabric

D. 4. yarn $\rightarrow$ fibre $\rightarrow$ cotton boll $\rightarrow$ fabric

Answer: A

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104. After washing cotton clothes ____ are formed.

105. Read the table and answer the following question

Ruau uit tabit anu anwer the tollowing questions (

Type of Fabric	Fabric item
Wool	Sweater, gloves
Polyester	Shirt, skirt
Linen	Trouser, saree

Choose the natural fabric from the table

A. Wool

B. polyester

C. Linen

D. All of these

Answer: A

106. Read the table and answer the following question

Type of Fabric	Fabric item
Wool	Sweater, gloves
Polyester	Shirt, skirt
Linen	Trouser, saree

Which type of fabric is used in winter season?

A. Wool

B. Linen

C. Polyester

D. Both B and C

Answer: A

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107. Read the paragraph and answer the

following question

The coconut coir industry is one of the rural industry in India. It is located mainly in the states like Kerala, Tamilnadu, Karnataka, Andhra Pradesh and Odisha. It provides source of income to about 5 lakhs artisans in rural areas. Women constitute about 60% of the work force in coir industry.

Choose the state in which coir industry is located

A. Kerala

B. Tamil Nadu

C. Andhra pradesh

D. All of these

Answer: D

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108. Match the following

COLUMN - I (Quantity)	COLUMN - II (Symbol)
A) Conductivity	p) Λ_m
B) Cell constant	q) k
C) Molar conductance	r) A_e
D) Equivalent conductance	s) l/a

A. 6 lakhs

B. 8 lakhs

C. 5 lakhs

D. 9 lakhs

Answer: C

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109. Match the following

COLUMN - I	COLUMN - II
A) Hg_2Cl_2	p) Salt bridge
B) Agar-agar	q) Calomel electrode
C) 0.1 N KCl	r) Used in ice cream
D) Quinhydrone	s) Redox electrode

A. 70

B. 80

C. 90

D. 50

Answer: B

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110. Match the following

Column - I	Column - II
a) Displacement of body in S.H.M	e) $r\omega\cos\omega t$
b) Velocity of body in S.H.M	f) $r\sin\omega t$
c) Acceleration of body in S.H.M	g) $r\omega$
d) Maximum velocity of body	h) $-r\omega^2\sin\omega t$

A. Andhrapradesh

B. karnataka

C. Odisha

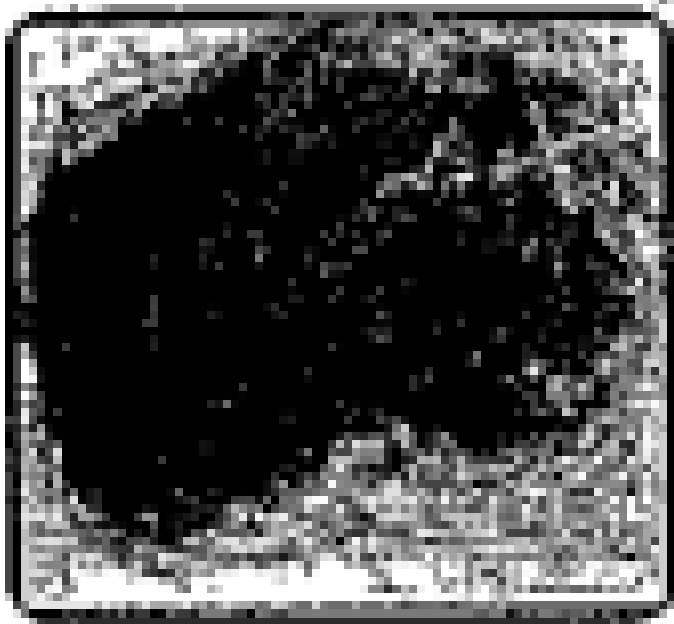D. All of these

Answer:

111. Identify the given diagram
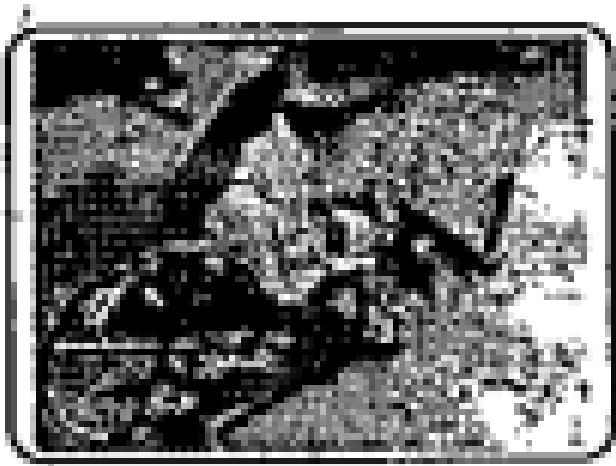
A. Spindle machine

B. spinning Wheel

C. Loom fibre machine

D. Yarn

Answer: B

112. Identify the given Coir product.

A. Coir path

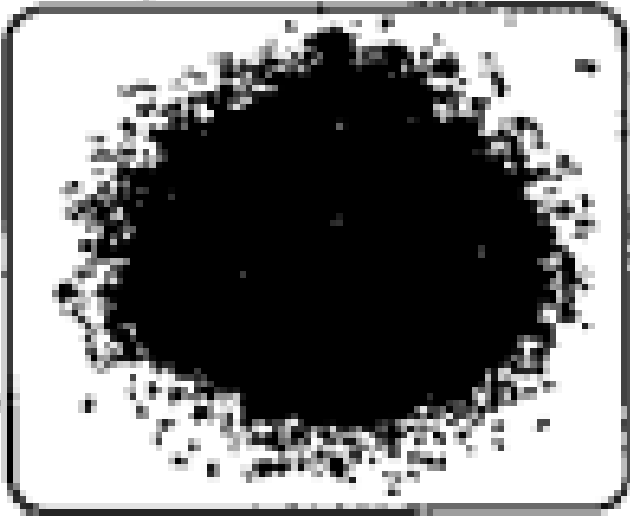B. Coir yarn

C. Coir fibre

D. White husk

Answer: C

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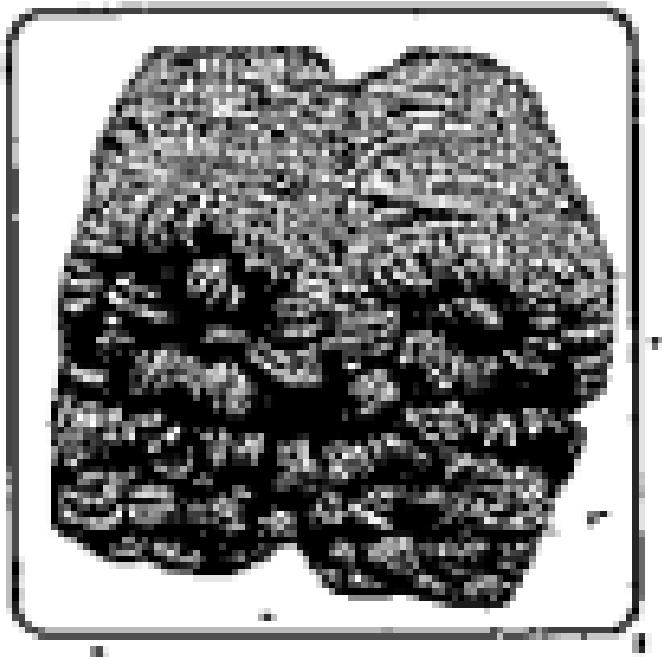**113.** Identify the given Coir product.

A. Coir yarn

B. Coir pith

C. Coir fibre

D. Brown husk

Answer: B

114. Identify the given Coir product.

A. Coir yarn

B. Coir fibre

C. Coir path

D. Brown fibre

Answer: A

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115. ___ fabric is used in book binding.

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116. Choose the correct statement

A. Ancient people used to wear animal skin as clothes

B. Warriors used to wear animal skin as clothes

C. Ancient people used to wear leaves as clothes

D. All of the above correct

Answer: D

117. To protect our environment we should use ____ instead of polythene bags.

   A. Cloth bags

   B. paper bags

   C. both a and b

   D. plastic carry bags

Answer: C

118. _____ is famous for carpet industry.

A. Machilipatnam

B. pedana

C. uppada

D. venkatagiri

Answer: A

119. ___ state alone accounts for over 50% of raw jute production.

A. ASSAM

B. West bengal

C. Bihar

D. Uttar pradesh

Answer: B