

Notations :

- Options shown in green color and with ✓ icon are correct.
- Options shown in red color and with ✖ icon are incorrect.

Question Paper Name:	TextileTechno 13032020 S2
Subject Name:	Textile Technology
Creation Date:	2020-03-13 18:24:49
Duration:	150
Total Marks:	300
Display Marks:	Yes
Share Answer Key With Delivery Engine:	No
Actual Answer Key:	Yes
Calculator:	Scientific
Magnifying Glass Required?:	No
Ruler Required?:	No
Eraser Required?:	No
Scratch Pad Required?:	No
Rough Sketch/Notepad Required?:	No
Protractor Required?:	No
Show Watermark on Console?:	Yes
Highlighter:	No
Auto Save on Console?:	No

Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 231098451 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Air-bag fabric is produced on ____ machines.

Options :

- ✖ circular weaving machine
- ✓ rapier weaving machine
- ✖ water jet weaving machine

4. ✖ air jet weaving machine

Question Number : 2 Question Id : 231098452 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

_____ are only a small percentage of textiles which are used for the reinforcement of tyres.

Options :

1. ✔ Chafer fabric

2. ✖ Canvas fabric

3. ✖ Glass fabric

4. ✖ Parachute fabric

Question Number : 3 Question Id : 231098453 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

SAMARTH, the scheme for capacity building in the textile sector is targetted to train 10 lakh persons over a period of _____ years.

Options :

1. ✖ 1

2. ✔ 3

3. ✖ 4

4. ✖ 5

Question Number : 4 Question Id : 231098454 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Hail protective fabrics have a theoretical service life of _____ years

Options :

1. ✖ 1 – 5

2. ✖ 5 – 10

3. ✖ 10 – 15

4. ✔ 15 – 20

Question Number : 5 Question Id : 231098455 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

India has a maximum number of textile _____.

Options :

1. ✔ spinning mills

2. ✖ weaving mills

3. ✖ composite mills

4. ✖ process houses

Question Number : 6 Question Id : 231098456 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The mobile app launched by the Cotton Corporation of India is:

Options :

1. ✖ Cott-supp

2. ✔ Cott-ally

3. ✖ Cott-farm

4. ✖ Cott-India

Question Number : 7 Question Id : 231098457 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In which two states has the agriculture ministry appointed state government agencies as sub-agents of the Cotton Corporation of India for conducting MSP (minimum support price) operation?

Options :

1. ✖ Odisha and Karnataka

2. ✖ Odisha and Andhra Pradesh

3. ✖ Maharashtra and Karnataka

4. ✔ Maharashtra and Odisha

Question Number : 8 Question Id : 231098458 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

SITP stands for:

Options :

1. ✖ Supply of Industrial Textile Prices

2. ✖ Supervision of Industrial Textile Park

3. ✔ Scheme for Integrated Textile Park

4. ✖ Sustainable Investment in Textile Park

Question Number : 9 Question Id : 231098459 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Match the following:

- | | |
|------------|-------------|
| P) BTRA | 1) meditech |
| Q) SASMIRA | 2) protech |
| R) NITRA | 3) agrotech |
| S) SITRA | 4) geotech |

Options :

1. ✖ P – 1, Q – 2, R – 3, S – 4

2. ✖ P – 3, Q – 4, R – 1, S – 2

3. ✔ P – 4, Q – 3, R – 2, S – 1

4. ✖ P – 2, Q – 1, R – 4, S – 3

Question Number : 10 Question Id : 231098460 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The top importer of wool from India (2018-19) was:

Options :

1. ✖ Pakistan

2. ✖ Turkey

3. ✔ Australia

4. ✖ Syria

Question Number : 11 Question Id : 231098461 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Final wool product that enjoys maximum share of total export of woollen products from India (2018-19) is:

Options :

1. ✖ tops

2. ✖ yarn

3. ✖ readymade garments

4. ✔ carpets

Question Number : 12 Question Id : 231098462 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following countries was a top exporter of handmade carpets (excluding silk) in 2018-19?

Options :

1. ✖ France

2. ✖ Australia

3. ✖ Italy

4. ✔ U.S.A.

Question Number : 13 Question Id : 231098463 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Angora wool development scheme implemented in _____ area of India.

Options :

1. ✖ forest

2. ✖ plains

3. ✓ hilly

4. ✗ desert

Question Number : 14 Question Id : 231098464 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which ministry/ministries are primarily responsible for enhancing the quality and production of cotton and man-made fibre?

Options :

1. ✓ Ministry of Agriculture & Ministry of Textile

2. ✗ Ministry of Textile & Ministry of Chemicals and Fertilizers

3. ✗ Ministry of Heavy Industry & Ministry of Agriculture

4. ✗ Ministry of Heavy Industry & Ministry of Chemical and Fertilizers

Question Number : 15 Question Id : 231098465 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In which year was the Central Silk Board Act formed?

Options :

1. ✗ 1950

2. ✗ 1947

3. ✗ 1944

4. ✓ 1948

Question Number : 16 Question Id : 231098466 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Match the following:

- | | |
|-------------------------------|---------|
| i) Central Silk Board Act | p) 1985 |
| ii) The Textile Committee Act | q) 1986 |
| iii) The Handloom Act | r) 1948 |
| iv) Cotton Control Order | s) 1963 |

Options :

1. ✖ i – s, ii – r, iii – q, iv – p

2. ✖ i – p, ii – q, iii – r, iv – s

3. ✔ i – r, ii – s, iii – p, iv – q

4. ✖ i – q, ii – p, iii – s, iv – r

Question Number : 17 Question Id : 231098467 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The first World Cotton Day was hosted by the World Trade Organisation on _____.

Options :

1. ✖ 24 March, 2018 in England

2. ✖ 24 March, 2019 in England

3. ✖ 7 October, 2018 in Geneva

4. ✔ 7 October, 2019 in Geneva

Question Number : 18 Question Id : 231098468 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which country was the largest importer of Indian cotton fibre till 2013 – 14?

Options :

1. ✖ Vietnam

2. ✖ Nepal

3. ✖ Bangladesh

4. ✔ China

Question Number : 19 Question Id : 231098469 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Level of settings for nep on evenness tester is based on reference length of:

Options :

1. ✔ 1 mm

2. ✖ 2 mm

3. ✖ 4 mm

4. ✖ 8 mm

Question Number : 20 Question Id : 231098470 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The index of irregularity is the highest in case of:

Options :

1. ✖ ring yarn

2. ✖ carded yarn

3. ✖ combed yarn

4. ✔ card sliver

Question Number : 21 Question Id : 231098471 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The drape coefficient does NOT increase with:

Options :

1. ✔ lower fabric cover

2. ✖ higher banding rigidity

3. ✖ higher shear rigidity

4. ✖ higher fabric thickness

Question Number : 22 Question Id : 231098472 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Fibro graph is used to obtain:

Options :

1. ✖ staple length

2. ✖ fineness

3. ✖ short fibre percentage

4. ✔ span length

Question Number : 23 Question Id : 231098473 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Nap identification on AFIS is based on:

Options :

1. ✓ Optical Principle
2. ✗ Pneumatic Principle
3. ✗ Electronic Principle
4. ✗ Mechanical Principle

Question Number : 24 Question Id : 231098474 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The cut squaring techniques of sampling of fibres is NOT applicable to:

Options :

1. ✓ bale
2. ✗ sliver
3. ✗ roving
4. ✗ yarn

Question Number : 25 Question Id : 231098475 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Tear resistance of woven fabric increases with:

- P. increases in friction
- Q. increases in yarn strength
- R. increases in thread spacing
- S. increases with float length

Choose the correct combination

Options :

1. ✖ PQR

2. ✖ PRS

3. ✖ PQS

4. ✔ QRS

Question Number : 26 Question Id : 231098476 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The pilling property on fabric surface increases with:

Options :

1. ✖ increase in length

2. ✖ increase in twist

3. ✔ decrease in fibre strength

4. ✖ less fibre friction

Question Number : 27 Question Id : 231098477 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The tightness factor of the fabric will be _____ when $\text{TEX} = 30$ and stitch length = 0.39.

Options :

1. ✔ 14

2. ✖ 15

3. ✖ 16

4. ✖ 17

Question Number : 28 Question Id : 231098478 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

If the strength of 100 gm per m² fabric obtained by testing 4 cm wide strip is 0.4 KN, then the tenacity (CN/TEX) of the fabric is:

Options :

1. ✔ 10

2. ✖ 20

3. ✖ 30

4. ✖ 40

Question Number : 29 Question Id : 231098479 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The standard atmosphere for the textile industry is:

Options :

1. ✔ R.H. 65% $\pm$ 2%, 20 degrees centigrade $\pm$ 2degrees

2. ✖ R.H. 60% $\pm$ 2%, 22 degrees centigrade $\pm$ 2 degrees

3. ✖ R.H. 61% $\pm$ 2%, 24 degrees centigrade $\pm$ 2 degrees

4. ✖ R.H. 62% $\pm$ 2%, 26 degrees centigrade $\pm$ 2 degrees

Question Number : 30 Question Id : 231098480 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Tensile testing machines are working on the principle of:

Options :

1. ✖ Cost and Rate of Elongation and Constant Rate of Traverse
2. ✖ Constant Rate of Elongation and Constant Rate of Loading
3. ✖ Constant Rate of Traverse and Constant Rate of Loading
4. ✔ Constant Rate of Elongation, Constant Rate of Traverse and Constant Rate of Loading

Question Number : 31 Question Id : 231098481 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Pressley index can be calculated as:

Options :

1. ✖ $PI = (\text{mass mg})/(\text{force lbf})$
2. ✔ $PI = (\text{force lbf})/(\text{mass mg})$
3. ✖ $PI = (\text{force lbf})/(\text{mass mg}) \times 100$
4. ✖ $PI = (\text{mass mg})/(\text{force lbf}) \times 100$

Question Number : 32 Question Id : 231098482 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In a twist-untwist method to determine yarn twist using 20 inch samples, 400 rotations of a jaw are required to complete the test. The twist per inch in the yarn is:

Options :

1. ✔ 10

2. ✖ 20

3. ✖ 40

4. ✖ 80

Question Number : 33 Question Id : 231098483 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Match the following:

- | | |
|---------------------|------------|
| P) Short fibres | 1) 2.5% |
| Q) Span length | 2) 0.2-1.2 |
| R) Uniformity index | 3) >1 |
| S) Maturity ratio | 4) 12.7 mm |

Options :

1. ✔ P – 4, Q – 1, R – 3, S – 2

2. ✖ P – 2, Q – 1, R – 3, S – 4

3. ✖ P – 1, Q – 2, R – 3, S – 4

4. ✖ P – 4, Q – 2, R – 1, S – 3

Question Number : 34 Question Id : 231098484 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Air permeability testing of fabrics does NOT consider:

Options :

1. ✖ air permeability is linearly proportional to the air pressure

2. ✔ air permeability is linearly proportional to the square of air pressure

3. ✖ air permeability has a linear relationship with the reciprocal of number of fabric layers

4. ✖ air permeability decreases with an increase in fabric cover

Question Number : 35 Question Id : 231098485 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

With increase in gauge length the tenacity of a spun yarn would:

Options :

1. ✔ decrease

2. ✖ not change

3. ✖ first increase then decrease

4. ✖ first decrease then increase

Question Number : 36 Question Id : 231098486 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Bursting strength of a woven fabric with same warp and weft yarn is the highest when the ratio of ends per cm and picks per cm is:

Options :

1. ✔ 1.0

2. ✖ 1.2

3. ✖ 1.4

4. ✖ 1.5

Question Number : 37 Question Id : 231098487 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which process reduces pilling of polyester fabric?

Options :

1. ✖ De-sizing

2. ✖ Bleaching

3. ✖ Kiering

4. ✔ Singeing

Question Number : 38 Question Id : 231098488 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Sodium alginate is the most suitable thickener for reactive dye printing on:

Options :

1. ✖ polyester

2. ✔ cotton

3. ✖ nylon

4. ✖ acrylic

Question Number : 39 Question Id : 231098489 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Soil release finishes are most affective on:

Options :

1. ✖ cotton

2. ✖ jute

3. ✖ viscose

4. ✔ polyester

Question Number : 40 Question Id : 231098490 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

THPC is a:

Options :

1. ✖ softener

2. ✖ carrier

3. ✖ levelling agent

4. ✔ flame retardant

Question Number : 41 Question Id : 231098491 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Dye sublimation property is associated with:

Options :

1. ✔ Low molecular weight non-ionic dyes

2. ✖ High molecular weight

3. ✖ Large number of polar groups

4. ✖ Ionic groups

Question Number : 42 Question Id : 231098492 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Bi functional reactive dyes are characterised by:

Options :

1. ✖ low affinity, high reactivity
2. ✔ high affinity, high reactivity
3. ✖ high affinity, low reactivity
4. ✖ low affinity, low reactivity

Question Number : 43 Question Id : 231098493 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The active bleaching species in sodium hypochlorite solution is:

Options :

1. ✖ O
2. ✖ Cl⁻
3. ✖ Cl₂
4. ✔ OCl⁻

Question Number : 44 Question Id : 231098494 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A flat bed screen printing machine is an example of:

Options :

1. ✔ a semi-continuous printing machine
2. ✖ a batch printing machine

3. ✖ a continuous printing machine

4. ✖ an offset printing machine

Question Number : 45 Question Id : 231098495 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A disperse reactive dye was primarily developed for:

Options :

1. ✔ nylon

2. ✖ polyester

3. ✖ wool

4. ✖ propylene

Question Number : 46 Question Id : 231098496 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Jigger CANNOT be used for:

Options :

1. ✔ printing

2. ✖ dyeing

3. ✖ scouring

4. ✖ washing

Question Number : 47 Question Id : 231098497 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A printing paste is prepared with:

Options :

1. ✓ thickener
2. ✗ carrier
3. ✗ disperse agent
4. ✗ acidic medium

Question Number : 48 Question Id : 231098498 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A textile dye should have in its structure at least:

Options :

1. ✓ one chromophore and one auxochrome
2. ✗ one azo one reactive group
3. ✗ only azo group
4. ✗ only chromophore

Question Number : 49 Question Id : 231098499 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Compounds based on the combination of nitrogen and phosphorus are used as:

Options :

1. ✗ water proofing agents
2. ✓ flame retardants

3. ✖ anti-static agents

4. ✖ anti-microbial agents

Question Number : 50 Question Id : 231098500 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The set containing oxidative bleaching agents only is:

Options :

1. ✖ urea and thyo urea di oxide

2. ✖ sodium and urea

3. ✖ thyo urea di oxide and sodium

4. ✔ sodium hypochlorite and hydrogen peroxide

Question Number : 51 Question Id : 231098501 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Match the following:

P. Bleaching	1. sodium carbonate
Q. Scouring	2. sulphuric acid
R. Mercerising	3. hydrogen peroxide
S. Carbonising	4. sodium hydroxide

Options :

1. ✔ P – 3, Q – 1, R – 4, S – 2

2. ✖ P – 2, Q – 3, R – 4, S – 1

3. ✖ P – 1, Q – 3, R – 2, S – 4

4. ✖ P – 4, Q – 1, R – 3, S – 2

Question Number : 52 Question Id : 231098502 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Match the following:

P. Mordant dyes	1. Electrovalent bonds
Q. Acid dye	2. Coordinate bonds
R. Direct dyes	3. Covalent bonds
S. Reactive dyes	4. Vander wall forces

Options :

1. ✔ P – 2, Q – 1, R – 4, S – 3

2. ✖ P – 2, Q – 4, R – 1, S – 3

3. ✖ P – 1, Q – 2, R – 4, S – 3

4. ✖ P – 4, Q – 2, R – 3, S – 1

Question Number : 53 Question Id : 231098503 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Softener reduces the bending rigidity of fabrics by reducing:

Options :

1. ✖ modulus of fibre

2. ✖ TG

3. ✖ packing coefficient

4. ✔ inter fibre and inter yarn friction

Correct Marks : 2 Wrong Marks : 0.66

In hydrogen peroxide bleaching, the stabilizer used is:

Options :

1. ✓ sodium silicate
2. ✗ sodium hydroxide
3. ✗ acetic acid
4. ✗ sodium carbonate

Correct Marks : 2 Wrong Marks : 0.66

A cotton fabric is finished with DMDHEU. As a result its:

Options :

1. ✓ tensile strength decreases, abrasion resistance decreases, stiffness increases
2. ✗ tensile strength decreases, abrasion resistance decreases, stiffness decreases
3. ✗ tensile strength increases, abrasion resistance decreases, stiffness increases
4. ✗ tensile strength decreases, abrasion resistance increases, stiffness increases

Correct Marks : 2 Wrong Marks : 0.66

Match the following:

- | | |
|-----------------------|------------------------------------|
| P. Pigment printing | 1. disperse dyes |
| Q. Discharge printing | 2. binder |
| R. Resist printing | 3. High solids content thickener |
| S. Transfer printing | 4. Sodium formaldehyde sulfoxylate |

Options :

1. ✖ P – 2, Q – 3, R – 4, S – 1

2. ✔ P – 2, Q – 4, R – 3, S – 1

3. ✖ P – 2, Q – 4, R – 1, S – 3

4. ✖ P – 1, Q – 4, R – 3, S – 2

Question Number : 57 Question Id : 231098507 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Sodium hypochlorite bleaching of cotton is carried out:

Options :

1. ✔ at alkaline condition

2. ✖ at acidic condition

3. ✖ in normal condition

4. ✖ both alkaline and acidic condition

Question Number : 58 Question Id : 231098508 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Vegetable matter impurities in wool is removed by the process of:

Options :

1. ✖ bleaching

2. ✖ dyeing

3. ✓ carbonisation

4. ✗ kiering

Question Number : 59 Question Id : 231098509 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Yarn tension during unwinding is:

Options :

1. ✗ high at full quill and low at empty quill

2. ✗ constant at all stage of unwinding

3. ✓ low at full quill and high at empty quill

4. ✗ highest at the beginning

Question Number : 60 Question Id : 231098510 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Stiffness of the fabric is measured by:

Options :

1. ✓ flexural rigidity

2. ✗ drape

3. ✗ tearing strength

4. ✗ critical dissolution time

Question Number : 61 Question Id : 231098511 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following is a low speed loom in which several pics are inserted during each cycle?

Options :

1. ✓ Circular loom
2. ✗ Air jet loom
3. ✗ Projectile loom
4. ✗ Water jet loom

Question Number : 62 Question Id : 231098512 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In the warping process the typical beam flange diameters are:

Options :

1. ✗ 400, 500, 600 and 700 mm with working width of 1400 –2800 mm
2. ✗ 500, 600, 700 and 800 mm with working width of 1400 – 2800 mm
3. ✗ 600, 700, 800 and 900 mm with working width of 1400 – 2800 mm
4. ✓ 800, 1000, 1250 and 1400 mm with working width of 1400 –2800 mm

Question Number : 63 Question Id : 231098513 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A perpendicular laid non-woven:

Options :

1. ✓ exhibits high recovery from compression
2. ✗ forms no thermo plastic fibre

3. ✖ does not form a 3-D structure

4. ✖ does not form a 2-D structure

Question Number : 64 Question Id : 231098514 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Split drying system is employed on a sizing machine for drying:

Options :

1. ✔ very dense warp sheets

2. ✖ normal warp sheets

3. ✖ very wide warp sheets

4. ✖ coloured warp sheets

Question Number : 65 Question Id : 231098515 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Increase in the taper angle on a sectional warping machine will require:

Options :

1. ✔ decrease in the traverse speed

2. ✖ no change in traverse speed

3. ✖ increase in the warping speed

4. ✖ decrease in the warping speed

Question Number : 66 Question Id : 231098516 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The oldest winding machine is:

Options :

1. ✓ upright spindle winding machine

2. ✗ autoconer 228

3. ✗ autoconer 338

4. ✗ drum winding machine

Question Number : 67 Question Id : 231098517 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following is correct in terms of weft insertion rate?

Options :

1. ✗ Projectile > water jet > air jet > multiphase

2. ✗ Air jet > water jet > multiphase > projectile

3. ✗ Water jet > projectile > multiphase > air jet

4. ✓ Multiphase > air jet > water jet > projectile

Question Number : 68 Question Id : 231098518 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

TUFS stands for:

Options :

1. ✗ Textile Upliftment Fund Support

2. ✗ Textile Upgradation Financial Support

3. ✓ Technology Upgradation Fund Scheme

4. ✖ Technology Utilisation Financial Scheme

Question Number : 69 Question Id : 231098519 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Match the following:

P. One up one down plain	1. holes in fabric
Q. One up two down twill	2. high tear resistance
R. Five end satin	3. high shear resistance
S. Mockleno	4. continuous diagonal lines

Options :

1. ✓ P – 3, Q – 4, R – 2, S – 1

2. ✖ P – 1, Q – 4, R – 2, S – 3

3. ✖ P – 3, Q – 4, R – 1, S – 2

4. ✖ P – 3, Q – 1, R – 2, S – 4

Question Number : 70 Question Id : 231098520 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Match the following:

P. Patterning	1. precision winding
Q. Constant gain of wind	2. random winding
R. Lappers	3. sizing
S. Chase length	4. pirn winding

Options :

1. ✓ P – 2, Q – 1, R – 3, S – 4

2. ✖ P – 1, Q – 2, R – 4, S – 3

3. ✖ P – 3, Q – 2, R – 4, S – 1

4. ✖ P – 2, Q – 1, R – 4, S – 3

Question Number : 71 Question Id : 231098521 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

It is easy to minimise yarn to yarn tension variation in:

Options :

1. ✔ beam warping

2. ✖ sectional warping

3. ✖ both beam and sectional warping

4. ✖ slow speed warping

Question Number : 72 Question Id : 231098522 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A design repeating on 65 cm along the length and 50 cm along the width of a fabric having 30 ends and 25 pics per cm will require a jacquard capacity of:

Options :

1. ✔ 1500

2. ✖ 1200

3. ✖ 1400

4. ✖ 1300

Question Number : 73 Question Id : 231098523 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Salient feature of the “Single-End-Sizing” machine is:

Options :

1. ✔ sizing of a yarn sheet with very low yarn density

2. ✖ sizing of a yarn sheet with high yarn density

3. ✖ sizing of yarn sheet with normal yarn density

4. ✖ sizing of a yarn sheet with low and high yarn density

Question Number : 74 Question Id : 231098524 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Match the following:

P. Gauge and leno	1. furnishing
Q. Brighten honey comb	2. brightness
R. Electronic jacquard	3. mosquito net
S. Satin and sateen	4. towel

Options :

1. ✔ P – 3, Q – 4, R – 1, S – 2

2. ✖ P – 4, Q – 1, R – 3, S – 2

3. ✖ P – 1, Q – 2, R – 4, S – 3

4. ✖ P – 3, Q – 4, R – 2, S – 1

Correct Marks : 2 Wrong Marks : 0.66

Sizing of a spun yarn normally does NOT:

Options :

1. ✖ increase the abrasion resistance of the yarn
2. ✖ reduce fluff and fly during the weaving process
3. ✔ increase yarn extension
4. ✖ improves weavability

Correct Marks : 2 Wrong Marks : 0.66

In murata air jet spinning system:

Options :

1. ✔
first nozzle rotates in clockwise direction and second nozzle rotates in anti-clockwise direction
2. ✖
first nozzle rotates in anti-clockwise direction and second nozzle rotates in clockwise direction
3. ✖ both nozzles rotate in clockwise direction
4. ✖ both nozzles rotate in anti-clockwise direction

Correct Marks : 2 Wrong Marks : 0.66

The strength of yarn after a good splicing:

Options :

1. ✖ increases by 20%

2. ✔ decreases by 20%

3. ✖ decreases by 50%

4. ✖ does not improve

Question Number : 78 Question Id : 231098528 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The level of break draft required for strongly twisted roving is:

Options :

1. ✖ 1.1 - 1.2

2. ✔ 1.3 - 1.5

3. ✖ 2.0 - 2.3

4. ✖ Greater than 3

Question Number : 79 Question Id : 231098529 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The periodic short-term variation is defined as:

Options :

1. ✔ wavelengths of 1 to 10 times of fibre length

2. ✖ wavelengths of 10 to 100 times of fibre length

3. ✖ wavelengths of 100 to 1000 times of fibre length

4. ✖ wavelengths of 1000 to 10000 times of fibre length

Question Number : 80 Question Id : 231098530 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The twisting and winding operations are inseparable in:

Options :

1. ✔ ring spinning

2. ✖ rotor spinning

3. ✖ friction spinning

4. ✖ air-jet spinning

Question Number : 81 Question Id : 231098531 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Opening is most difficult for which fibre?

Options :

1. ✖ Viscose fibre

2. ✖ Polyester Fibre

3. ✔ Cotton Fibre

4. ✖ Acrylic Fibre

Question Number : 82 Question Id : 231098532 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The zone where yarn tension is maximum in rotor spinning is:

Options :

1. ✓ in the radial portion of the yarn inside the rotor
2. ✗ at the yarn formation point
3. ✗ at navel
4. ✗ outside of doffing tube

Question Number : 83 Question Id : 231098533 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In roving frame, the spindle top with grooves is used for:

Options :

1. ✗ introducing real twist in the roving
2. ✓ introducing false twist in the roving
3. ✗ increasing tension in the roving
4. ✗ reducing hairiness in the roving

Question Number : 84 Question Id : 231098534 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which among these yarn spinning is having highest production speed ?

Options :

1. ✗ ring
2. ✗ rotor

3. ✓ friction

4. ✗ air-jet

Question Number : 85 Question Id : 231098535 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The combing force decreases with:

Options :

1. ✗ increase in lap thickness

2. ✗ increase in needle density on half lap

3. ✗ increase in nips per minute

4. ✓ increase in pre-combing draft

Question Number : 86 Question Id : 231098536 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What is the correct sequence of events with fibre during roller drafting?

Options :

1. ✗ Fibre elongation - decrimping - sliding

2. ✗ Fibre sliding - decrimping - elongation

3. ✗ Fibre elongation - sliding - decrimping

4. ✓ Fibre decrimping - elongation -sliding

Question Number : 87 Question Id : 231098537 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A rotor with 50 mm diameter running at 1,00,000 rpm is producing yarn at 160 m/min. The number of doubling in the yarn is:

Options :

1. ✖ 90

2. ✔ 98

3. ✖ 110

4. ✖ 118

Question Number : 88 Question Id : 231098538 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In the winding zone of ring spinning, if the minimum angle of lead is 30° , the minimum diameter of bobbin required for a ring of 40 mm diameter will be:

Options :

1. ✔ 20 mm

2. ✖ 40 mm

3. ✖ 60 mm

4. ✖ 80 mm

Question Number : 89 Question Id : 231098539 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The drafting force:

Options :

1. ✖ increases as draft increases

- 2. ✖ decreases as draft increases
- 3. ✔ increases first then decreases
- 4. ✖ decreases first then increases

Question Number : 90 Question Id : 231098540 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following is NOT a factor influencing drafting wave irregularity?

Options :

- 1. ✖ Size of the draft
- 2. ✖ Linear density of the feed material
- 3. ✖ Roller setting
- 4. ✔ Fibre length

Question Number : 91 Question Id : 231098541 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following fibres is manufactured from solution spinning?

Options :

- 1. ✖ Cotton
- 2. ✖ Polyester
- 3. ✔ Viscose

4. ✖ Nylon

Question Number : 92 Question Id : 231098542 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which among the following fibres has the lowest degree of polymerisation?

Options :

1. ✖ Polypropylene

2. ✖ Polyester

3. ✖ Nylon

4. ✔ Viscose

Question Number : 93 Question Id : 231098543 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

From the following, the monomers for polycondensation of polyester fibre are:

Options :

1. ✖ ethylene and glycol

2. ✖ ethyl glycol and terephthalic acid

3. ✖ ethylene glycol and terephthalete

4. ✔ ethylene glycol and terephthalic acid

Question Number : 94 Question Id : 231098544 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Water acts as a/an ___ during the polymerisation of nylon 6.

Options :

1. ✖ solvent

2. ✔ catalyst

3. ✖ stabiliser

4. ✖ lubricant

Question Number : 95 Question Id : 231098545 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The characteristic that cannot be accurately measured by differential scanning calorimetry is:

Options :

1. ✖ heat capacity

2. ✖ glass transition

3. ✖ crystallisation temperature

4. ✔ sub-glass transition

Question Number : 96 Question Id : 231098546 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

If the temperature of the solution bath increases, the coagulation rate in the solution spinning:

Options :

1. ✖ increases

2. ✔ decreases

3. ✖ does not change

4. ✖ increases first and then decreases

Question Number : 97 Question Id : 231098547 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The density of polyester fibre is:

Options :

1. ✔ 1380 kg/m^3

2. ✖ 1480 kg/m^3

3. ✖ 1580 kg/m^3

4. ✖ 1680 kg/m^3

Question Number : 98 Question Id : 231098548 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The commercial grade polypropylene fibre of the following is:

Options :

1. ✖ Atactic

2. ✔ Isotactic

3. ✖ Syndiotactic

4. ✖ Semctice

Question Number : 99 Question Id : 231098549 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The tension annealing of nylon fibre causes:

Options :

1. ✓ increase in sonic modulus
2. ✗ decrease in sonic modulus
3. ✗ reduction in molecular orientation
4. ✗ reduction in melting point

Question Number : 100 Question Id : 231098550 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The shrinkage during the heat setting is attributed to:

Options :

1. ✗ molecular disorientation in crystalline zone
2. ✗ molecular orientation in crystalline zone
3. ✓ molecular disorientation in amorphous zone
4. ✗ molecular orientation in amorphous zone

Question Number : 101 Question Id : 231098551 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The polypropylene fibre has poor light fastness due to the:

Options :

1. ✗ low value of T_g
2. ✗ low value of T_m

3. ✖ helical molecular configuration

4. ✔ presence of tertiary carbon

Question Number : 102 Question Id : 231098552 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which among the following fibres is manufactured by dry spinning?

Options :

1. ✔ Orlon

2. ✖ Acrilan

3. ✖ Tancel

4. ✖ Vyrene

Question Number : 103 Question Id : 231098553 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What should be the stabiliser content by weight that is used for enhancing the photo-stability of polypropylene?

Options :

1. ✖ 0.2-0.5% of polymer composition

2. ✔ 1-2% of polymer composition

3. ✖ 3-4% of polymer composition

4. ✖ 5-6 % of polymer composition

Question Number : 104 Question Id : 231098554 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The heat setting of nylon is effective at the temperature region:

Options :

1. ✖ 270°C in the presence of moisture
2. ✖ 270°C in the absence of moisture
3. ✔ 120°C in the presence of moisture
4. ✖ 120°C in the absence of moisture.

Question Number : 105 Question Id : 231098555 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The tenacity of high density linear chain polyethylene is in the range of:

Options :

1. ✖ 1.0 - 1.5 g/den
2. ✔ 8 - 9 g/den
3. ✖ 50 - 60 g/den
4. ✖ 100 - 120 g/den

Question Number : 106 Question Id : 231098556 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The flat filaments viscose fibre has:

Options :

1. ✔ good covering power
2. ✖ softer handle

3. ✖ high tenacity

4. ✖ high luster

Question Number : 107 Question Id : 231098557 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The level of crimp introduced in viscose fibre is generally:

Options :

1. ✖ higher in case of coarser fibre

2. ✖ lower in case of finer fibre

3. ✔ higher in case of finer fibre

4. ✖ Equal for both finer and coarse fibre

Question Number : 108 Question Id : 231098558 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The skin effect during the extrusion spinning refers to:

Options :

1. ✔

the outer surface of the filament being constructed first where the molecules have been influenced by the edges of the spinneret hole.

2. ✖

the outer surface of the filament being constructed first where the molecules are not influenced by the edges of the spinneret hole.

3. ✖

the core of the filament being constructed first where the molecules have been influenced by the centre of the spinneret hole.

4. ✖ The outer surface of the filament crystallize faster than core.

Question Number : 109 Question Id : 231098559 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Acrylic fibre has:

Options :

1. ✔ 85 per cent by weight of acrylonitrile units

2. ✖ 55 per cent by weight of acrylonitrile units

3. ✖ 65 per cent by weight of acrylonitrile units

4. ✖ 15 per cent by weight of acrylonitrile units

Question Number : 110 Question Id : 231098560 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

"Corchorus" is a/an:

Options :

1. ✖ cotton plant

2. ✔ jute plant

3. ✖ flax plant

4. ✖ nettle plant

Question Number : 111 Question Id : 231098561 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The cortex is available with:

Options :

1. ✖ cotton fibre

2. ✔ wool fibre

3. ✖ silk fibre

4. ✖ polyester fibre

Question Number : 112 Question Id : 231098562 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The silk fibre is a/an:

Options :

1. ✖ synthetic block copolymer

2. ✔ natural block copolymer

3. ✖ natural homo polymer

4. ✖ synthetic homopolymer

Question Number : 113 Question Id : 231098563 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The optimum growing temperature of jute is:

Options :

1. ✖ between 8° and 13°C

2. ✖ between 10° and 20°C

3. ✔ between 18° and 33°C

4. ✖ between 38° and 43°C

Question Number : 114 Question Id : 231098564 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The spiral angle of molecular chain with respect to fibre axis on cell wall of jute fibre is approximately:

Options :

1. ✔ 8°

2. ✖ 28°

3. ✖ 38°

4. ✖ 45°

Question Number : 115 Question Id : 231098565 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The fine structure of cotton is better described by:

Options :

1. ✖ Micelle theory

2. ✔ Fibriller theory

3. ✖ Lamellar theory

4. ✖ Modified Micelle theory

Question Number : 116 Question Id : 231098566 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The molecular orientation of silk fibroin is:

Options :

1. ✖ higher in sheath than the core
2. ✔ higher in core than the sheath
3. ✖ equal throughout the cross-section
4. ✖ Random orientation through the cross-section.

Question Number : 117 Question Id : 231098567 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following is NOT the quality of fibre forming polymer?

Options :

1. ✖ Molecular openness
2. ✖ Presence of intermolecular bonds
3. ✖ Long chain
4. ✔ No freedom of inter-molecular movement or slippage

Question Number : 118 Question Id : 231098568 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The number of molecules present in a fibril of wool fibre is:

Options :

1. ✖ 16
2. ✔ 32

3. ✖ 48

4. ✖ 56

Question Number : 119 Question Id : 231098569 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The 'Weighting' of silk fibre is related to the:

Options :

1. ✖ partial removing of sericin from raw silk

2. ✖ coating of silk with some suitable filler

3. ✔ absorption of certain salts of metals from their solutions in water

4. ✖ the swelling of silk in the presence of moisture

Question Number : 120 Question Id : 231098570 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The alkali resistance of silk fibre is:

Options :

1. ✖ better than that of cotton

2. ✔ better than that of wool

3. ✖ inferior than that of wool

4. ✖ equivalent to that of wool

Question Number : 121 Question Id : 231098571 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which option is true with regard to the Acetylated Cotton (PA cotton)?

Options :

1. ✖ Its visual appearance is whiter than that of cotton
2. ✔ It has greater resistance to heat than that of cotton
3. ✖ It has poor resistance to heat than that of cotton
4. ✖ It has poor resistance to the attacks of micro-organisms

Question Number : 122 Question Id : 231098572 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The mercerised cotton fibre has:

Options :

1. ✖ poor moisture absorption capacity than that of non-mercerised cotton
2. ✔ better moisture absorption capacity than that of non-mercerised cotton
3. ✖ similar moisture absorption capacity as that of non-mercerised cotton
4. ✖ Similar moisture absorption capacity as that of viscose fibre

Question Number : 123 Question Id : 231098573 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The heat of sorption is also called:

Options :

1. ✔ differential heat of sorption
2. ✖ integral heat of sorption

3. ✖ heat of wetting

4. ✖ heat of swelling

Question Number : 124 Question Id : 231098574 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The flax fibre has a/an:

Options :

1. ✖ oval cross-sectional shape

2. ✖ circular cross-sectional shape

3. ✖ triangular cross-sectional shape

4. ✔ polygonal cross-sectional shape

Question Number : 125 Question Id : 231098575 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The flax fibres are suitable for summer clothing because:

Options :

1. ✖ it works as a thermal barrier and protects us from hot atmosphere

2. ✔ it has a good thermal conductivity and keeps our body cool

3. ✖ it has very high heat of sorption

4. ✖ it is a good and inexpensive alternative of cotton fibre

Question Number : 126 Question Id : 231098576 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which feature of cellulosic chain of cotton fibre is correct?

Options :

1. ✓

Glucose rings are not flat but bent in a chair configuration and each successive unit is rotated through 180° with respect to the molecular axis.

2. ✗

Glucose rings are flat but bent in a chair configuration and each successive unit is rotated through 180° with respect to the molecular axis.

3. ✗

Glucose rings are flat but bent in a chair configuration and not rotated with respect to the molecular axis.

4. ✗

Glucose rings are not flat but bent in a chair configuration and each successive unit is rotated through 90° with respect to the molecular axis.

Question Number : 127 Question Id : 231098577 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3 Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In *Bombyx mori* silk, 80-85% of fibroin is composed of which of the following amino acids?

Options :

1. ✗ Glycine, Tyrosine and Aspartic acid

2. ✗ Serine, Tyrosine and Aspartic acid

3. ✗ Tyrosine, Aspartic acid and Serine

4. ✓ Glycine, Alanine, and Serine

Question Number : 128 Question Id : 231098578 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3 Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The 'heat of wetting' is defined as the:

Options :

1. ✖

heat evolved by absorbing 1 g of water by dry mass of a specimen of the material at a given regain.

2. ✔

heat evolved by 1 g dry mass of a specimen of the material is completely wetted at a given regain.

3. ✖

heat evolved by absorbing 1 g of water by 1 g dry mass of a specimen of the material at a given regain.

4. ✖

heat evolved by absorbing 1 g of water by 1 g dry mass of a specimen of the material at 0% regain.

Question Number : 129 Question Id : 231098579 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following is NOT a merit of natural fibres for suitable applications of composites?

Options :

1. ✔ High moisture regain

2. ✖ Low elasticity

3. ✖ Good surface adhesion

4. ✖ High strength to weight ratio

Question Number : 130 Question Id : 231098580 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following is NOT a suitable application of coir fibre?

Options :

1. ✖ As geotextile

2. ✖ As ropes

3. ✖ As door mat

4. ✔ As fishing net

Question Number : 131 Question Id : 231098581 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following is a seed fibre?

Options :

1. ✔ Cotton

2. ✖ Jute

3. ✖ Flax

4. ✖ Sisal

Question Number : 132 Question Id : 231098582 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following is a natural fibre?

Options :

1. ✖ Polyester

2. ✖ Viscose

3. ✔ Hemp

4. ✖ Lyocell

Question Number : 133 Question Id : 231098583 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Cotton is a/an:

Options :

1. ✖ protein fibre

2. ✔ cellulosic fibre

3. ✖ polyamide fibre

4. ✖ mineral fibre

Question Number : 134 Question Id : 231098584 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Identify which of the following is NOT a class of natural textile fibre.

Options :

1. ✖ vegetable fibres

2. ✖ animal fibres

3. ✖ mineral fibres

4. ✔ regenerated cellulosic fibres

Question Number : 135 Question Id : 231098585 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The density of cotton fibre is:

Options :

1. ✓ 1.52 g/cc

2. ✗ 1.48 g/cc

3. ✗ 1.14 g/cc

4. ✗ 0.91 g/cc

Question Number : 136 Question Id : 231098586 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In which of the following solutions would wool dissolve?

Options :

1. ✗ 10% NaCl solution

2. ✓ 10% NaOH solution

3. ✗ 10% H₂O₂ Solution

4. ✗ 10% CH₃COOH solution

Question Number : 137 Question Id : 231098587 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The cottonisation of flax refers to:

Options :

1. ✗ making of cotton fibre strong enough as comparable to the flax fibre.

2. ✗ cutting flax fibre in small staple length similar to the cotton fibre.

3. ✓ a chemical retting where the flax fibre is separated into very fine strands.

4. ✖ spinning of flax fibre with cotton fibre to prepare blended yarn.

Question Number : 138 Question Id : 231098588 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The number of convolutions in cotton fibre is:

Options :

1. ✔ 50 twists per centimetre

2. ✖ 100 twists per centimetre

3. ✖ 5 twists per centimetre

4. ✖ 200 twists per centimetre

Question Number : 139 Question Id : 231098589 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What is the most suitable combination of generating most static charge?

Options :

1. ✖ Cotton and wool

2. ✖ Cotton and polyester

3. ✖ Wool and polyester

4. ✔ Polyester and polypropylene

Question Number : 140 Question Id : 231098590 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which among the following fibres has the lowest crystallinity?

Options :

1. ✖ Cotton

2. ✖ Silk

3. ✖ Jute

4. ✔ Wool

Question Number : 141 Question Id : 231098591 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

If the numeric value of linear density of yarn in both tex system and English system is same, which value does this represent?

Options :

1. ✖ 22.5

2. ✔ 24.3

3. ✖ 28.3

4. ✖ 30.3

Question Number : 142 Question Id : 231098592 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Lumen is associated with which fibre?

Options :

1. ✔ Cotton

2. ✖ Wool

3. ✖ Silk

4. ✖ Viscose

Question Number : 143 Question Id : 231098593 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The surface features of fibre can be measured by using:

Options :

1. ✖ X-ray diffraction

2. ✖ Fourier transform infra-red spectroscopy

3. ✔ Scanning electron microscopy

4. ✖ Differential scanning calorimetry

Question Number : 144 Question Id : 231098594 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which among the following parameters cannot be measured by the XRD technique?

Options :

1. ✖ Crystallinity

2. ✖ Molecular orientation in crystalline phase

3. ✔ Molecular orientation in amorphous phase

4. ✖ Crystal size

Question Number : 145 Question Id : 231098595 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which among the following methods is NOT suitable for measurement of glass transition?

Options :

1. ✖ DMA

2. ✖ DSC

3. ✖ TMA

4. ✔ TGA

Question Number : 146 Question Id : 231098596 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which among the following fibres has the lowest degree of polymerisation?

Options :

1. ✖ Cotton

2. ✔ Viscose

3. ✖ Flax

4. ✖ Jute

Question Number : 147 Question Id : 231098597 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The length of 2 kg 200 denier nylon yarn is:

Options :

1. ✖ 10 km

2. ✔ 90 km

3. ✖ 100 km

4. ✖ 900 km

Question Number : 148 Question Id : 231098598 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

If the tex of a fibre is doubled, its diameter increases by:

Options :

1. ✖ 2 times

2. ✖ 4 times

3. ✔ 1.41 times

4. ✖ 1.5 times

Question Number : 149 Question Id : 231098599 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The fibre lustre depends on:

Options :

1. ✖ cross-sectional area of fibre

2. ✔ cross-sectional shape of fibre

3. ✖ crystallinity of fibre

4. ✖ molecular orientation of fibre

Question Number : 150 Question Id : 231098600 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which among the following is NOT a fine structural model of fibre?

Options :

1. ✖ Micelle model
2. ✖ Fringed micelle model
3. ✖ Fibriller model
4. ✔ Kelvin model