

**Question Paper Name:** Textile Technology 28th May 2019 Shift 1  
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**Duration:** 120  
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**Actual Answer Key:** Yes

## Textile Technology

**Group Number :** 1  
**Group Id :** 39090034  
**Group Maximum Duration :** 0  
**Group Minimum Duration :** 120  
**Revisit allowed for view? :** No  
**Revisit allowed for edit? :** No  
**Break time:** 0  
**Group Marks:** 120

## Mathematics

**Section Id :** 39090063  
**Section Number :** 1  
**Section type :** Online  
**Mandatory or Optional:** Mandatory  
**Number of Questions:** 10  
**Number of Questions to be attempted:** 10  
**Section Marks:** 10  
**Display Number Panel:** Yes  
**Group All Questions:** No

**Sub-Section Number:** 1  
**Sub-Section Id:** 39090063  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 3909003961 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**  
**Correct Marks : 1 Wrong Marks : 0**

The Eigen vector corresponding to  $\lambda = 2$  of  $\begin{bmatrix} 1 & 0 & 0 \\ 0 & 3 & -1 \\ 0 & -1 & 3 \end{bmatrix}$  is ...

Options :

1.  $\begin{bmatrix} 1 \\ 0 \\ 0 \end{bmatrix}$

2.  $\begin{bmatrix} 0 \\ 1 \\ 1 \end{bmatrix}$

3.  $\begin{bmatrix} 1 \\ 2 \\ 4 \end{bmatrix}$

4.  $\begin{bmatrix} 1 \\ 2 \\ 1 \end{bmatrix}$

Question Number : 2 Question Id : 3909003962 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

If  $A = \begin{bmatrix} 1 & 2 \\ 2 & -1 \end{bmatrix}$  then the value of  $A^5$  is ...

Options :

1.  $\begin{bmatrix} 0 & 2^5 \\ 2^5 & 0 \end{bmatrix}$

2.  $\begin{bmatrix} 5^2 & 0 \\ 0 & 5^2 \end{bmatrix}$

3.  $\begin{bmatrix} 5^4 & 0 \\ 0 & 5^4 \end{bmatrix}$

4.  $\begin{bmatrix} 0 & 5^4 \\ 5^4 & 0 \end{bmatrix}$

Question Number : 3 Question Id : 3909003963 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The series  $\sum \frac{n}{1+2^{-n}}$  is ...

Options :

1. Divergent
2. Convergent
3. Absolutely convergent
4. Conditionally convergent

Question Number : 4 Question Id : 3909003964 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

If  $f(x) = |\sin x|$  for  $-\pi < x < \pi$  then the Fourier coefficient  $a_0$  is ...

Options :

1.  $\frac{1}{\pi}$
2.  $\frac{2}{\pi}$
3.  $\frac{3}{\pi}$
4.  $\frac{4}{\pi}$

Question Number : 5 Question Id : 3909003965 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following function is a solenoidal

Options :

1.  $(3x + y)\hat{i} + (y - 3z)\hat{j} + (x + 2z)\hat{k}$

2.  $(x + 3y)\hat{i} + (3y - z)\hat{j} + (x - 2z)\hat{k}$

3.  $(x + 3y)\hat{i} + (y - 3z)\hat{j} + (x + 2z)\hat{k}$

4.  $(x + 3y)\hat{i} + (y - 3z)\hat{j} + (x - 2z)\hat{k}$

Question Number : 6 Question Id : 3909003966 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The value of  $\text{curl}(\text{grad } \varphi)$  is ...

Options :

1.  $\hat{0}$

2. 0

3.  $\text{div } \varphi$

4.  $\text{curl } \varphi$

Question Number : 7 Question Id : 3909003967 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The solution of the differential equation  $y(2xy + e^x)dx = e^y dy$  is ...

Options :

1.  $\frac{e^x}{y^2} + x = c$

2.  $\frac{e^x}{y} + x^2 = c$

3.  $\frac{e^x}{y} = c$

4.  $e^x + x^2 = c$

Question Number : 8 Question Id : 3909003968 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

If  $(x^2 - Ay)dx + (y^2 - 3x)dy$  is an exact then the value of  $A$  is ...

Options :

1. 1

2. 2

3. 3

4. 4

Question Number : 9 Question Id : 3909003969 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Newton –Raphson method will converge if  $|f(x)f''(x)|$  is less than ...

Options :

1.  $|f'(x)|^2$

2.  $|f'(x)|$

3.  $\left| \frac{1}{f'(x)} \right|^2$

4.  $|f''(x)|^2$

Question Number : 10 Question Id : 3909003970 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

For the continuous probability function  $f(x) = \frac{1}{2}x^2e^x$  when  $x \geq 0$  then mean equal to

Options :

1. 1

2. 2

3. 3

4. 4

Textile Technology

Section Id :	39090064
Section Number :	2
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	110
Number of Questions to be attempted:	110
Section Marks:	110
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	39090064
Question Shuffling Allowed :	Yes

Question Number : 11 Question Id : 3909003971 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The neps/g in cotton is 60, the neps increases by 60% in blow room and NRE% of card is 80%. The neps/g of card sliver is

Options :

1. 96

2. 77

3. 60

4. 19

Question Number : 12 Question Id : 3909003972 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The point to point action takes place between

Options :

1. Cylinder-Flat and Cylinder-Doffer
2. Cylinder-Flat and Lickerin-Cylinder
3. Cylinder-Doffer and Lickerin-Cylinder
4. Cylinder-Flat and Flat-Flat stripper roller

Question Number : 13 Question Id : 3909003973 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Wire point density (points per square inch) of cylinder wire of card has range of

Options :

1. 1 to 5
2. 5 to 10
3. 100-200
4. 500-800

Question Number : 14 Question Id : 3909003974 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following parameter(s) decide(s) the cop content (length of yarn) of ring bobbin?

Options :

1. Lift of ring rail only

2. Diameter of ring and diameter of balloon control
3. Diameter of ring and ring rail lift
4. Diameter of ring, ring rail lift and diameter of balloon control ring

Question Number : 15 Question Id : 3909003975 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The diameter of ring of the ring frame is not selected based on

Options :

1. Count of yarn produced
2. Lift of the ring rail
3. Profile of the traveler
4. Cop content optimization

Question Number : 16 Question Id : 3909003976 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cleaning efficiency of blow room is 64% and that of card is 90%. The combined cleaning efficiency is about

Options :

1. 64%
2. 90%
3. 96%
4. 154%

Question Number : 17 Question Id : 3909003977 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The property of which intermediate product of spinning preparatory is frequently checked to ensure required count of yarn

Options :

1. Hank of blow room lap
2. Hank of card sliver
3. Hank of draw frame sliver
4. Hank of roving

Question Number : 18 Question Id : 3909003978 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Select the odd one with respect to roving frame

Options :

1. Floating condenser
2. Spacing plate
3. Cradle
4. Flyer cap

Question Number : 19 Question Id : 3909003979 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The end breakage due to spinning tension occurs at ring frame, when the spinning tension is

Options :

1. less than 1.3 cN
2. Higher than 1.3 cN
3. Higher than 1.3 cN/tex
4. Lesser than 1.3 cN/tex

Question Number : 20 Question Id : 3909003980 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
 Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Select the correct statement with respect to linear density of yarn

Options :

1.  $CV_{1m} \% > CV_{5m} \%$
2.  $CV_{5m} \% > CV_{1m} \%$
3.  $CV_{1m} \% > CV_m \%$
4.  $CV_{5m} \% > CV_m \%$

Question Number : 21 Question Id : 3909003981 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
 Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In a draw frame, 6 cotton slivers of 4 ktex each and 4 polyester slivers 5 ktex each are fed. The total draft given at the draw frame is 8. The proportion of polyester and cotton in the output sliver is about

Options :

1. 24/44, 20/44
2. 20/44, 24/44
3.  $24 / (44 \times 8), 20 / (44 \times 8)$
4.  $20 / (44 \times 8), 24 / (44 \times 8)$

Question Number : 22 Question Id : 3909003982 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
 Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Eighteen slivers of 4.0 ktex each are fed to a sliver lap former and a draft of 1.25 is applied. The sliver lap is given a draft of 6 at the ribbon lap former. The linear density of ribbon lap would be

Options :

1. 5.63 Ktex

2. 9.6 Ktex
3. 33.75 Ktex
4. 57.6 Ktex

Question Number : 23 Question Id : 3909003983 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one of the following is false in respect of spectrogram?

Options :

1. It is drawn with wavelength of fault in Y axis and Amplitude of fault in X axis
2. It is used to find periodic faults present in the strand
3. It is drawn with wavelength of fault in X axis and Amplitude of fault in Y axis
4. It works based on mass variation of strand

Question Number : 24 Question Id : 3909003984 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which are the long thin faults in yarn?

Options :

1. E,F,G
2. All C and D faults
3. All H and I faults
4. D3,D4, C3,C4,B4,A4

Question Number : 25 Question Id : 3909003985 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one of the following is not the cause for slub in the yarn?

Options :

1. Defective front top roller of the drafting system of ring frame

2. Worn out, punctured bottom apron of ring frame
3. Worn out, punctured top apron of ring frame
4. Eccentric front bottom roller of ring frame

Question Number : 26 Question Id : 3909003986 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0

The limit irregularity will be maximum for

Options :

1. Yarn
2. Roving
3. Draw-frame sliver
4. Card sliver

Question Number : 27 Question Id : 3909003987 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0

The number of fibres in cross section of comber lap for best combing should be about

Options :

1. 40,000
2. 60,000
3. 5,00,000
4. 50,00,000

Question Number : 28 Question Id : 3909003988 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0

Which one of the following spinning systems work on open-end spinning principle?

Options :

1. Mule spinning
2. Ring spinning
3. Rotor spinning
4. Siro spinning

Question Number : 29 Question Id : 3909003989 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Theoretically achievable woven fabric cover factor is \_\_\_\_\_

Options :

1. 8
2. 16
3. 20
4. 28

Question Number : 30 Question Id : 3909003990 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Among the following systems of drafting which one's objective is to reduce the friction between adjacent warp ends?

Options :

1. Point
2. Sateen
3. Herring-bone
4. Reversed

Question Number : 31 Question Id : 3909003991 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following weave is a derivative of plain weave?

Options :

1. Basket weave
2. Mock leno weave
3. Huck a Back weave
4. Crepe weave

Question Number : 32 Question Id : 3909003992 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What will be the loop length of the knitted fabric having course length 60 cm and wale length 80 cm and number of loops per course 40?

Options :

1. 0.75 cm
2. 1.5 cm
3. 2.0 cm
4. 3.5 cm

Question Number : 33 Question Id : 3909003993 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What will be the tightness factor of the plain single jersey knitted with 64 tex yarn and 1.5 cm loop length?

Options :

1. 96
2. 42
3. 5.3
4. 2.3

Question Number : 34 Question Id : 3909003994 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one of the following quality parameter is not measured for yarn?

Options :

1. Count
2. Count CV%
3. Stretch %
4. Strength CV%

Question Number : 35 Question Id : 3909003995 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In a high speed circular knitting machine, the yarn input tension is around

\_\_\_\_\_

Options :

1. 1 gram
2. 6 grams
3. 3 grams
4. 9 grams

Question Number : 36 Question Id : 3909003996 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

'Bowing' is a knit fabric fault caused by

Options :

1. Yarn twist
2. Yarn twist direction
3. Take up mechanism

#### 4. Feeding mechanism

Question Number : 37 Question Id : 3909003997 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following fabric is highly suitable for face mask applications?

Options :

1. Plain weave cotton fabrics
2. Interlock knitted fabrics
3. Nonwoven fabrics
4. Braided fabrics

Question Number : 38 Question Id : 3909003998 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In case of needle punched nonwoven fabrics, the higher needling density could

\_\_\_\_\_

Options :

1. Increase the fabric strength
2. Decrease the fabric strength
3. Increase the bulk of the fabric
4. Decrease the air permeability

Question Number : 39 Question Id : 3909003999 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The term 'Cross lapper' in nonwoven industries is a \_\_\_\_\_

Options :

1. Process used to produce anisotropic nonwoven webs
2. Process used to individualize the cotton fibres

3. Process used to bond the fibres
4. Process used to wash the nonwoven fabrics

Question Number : 40 Question Id : 3909004000 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In geo technical applications, which of the following fabric is highly preferred for soil erosion control?

Options :

1. Needle punched nonwoven fabric
2. Spun bonded fabric
3. Warp knit fabric
4. Hydro entangled nonwoven fabric

Question Number : 41 Question Id : 3909004001 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Casein is classified as

Options :

1. Natural fibre
2. Synthetic fibre
3. Regenerated protein fibre
4. Regenerated cellulose fibre

Question Number : 42 Question Id : 3909004002 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The molecular chain of liquid crystal polymer is

Options :

1. Isotropic in nature

2. Anisotropic in nature
3. Crystalline in nature
4. Amorphous in nature

Question Number : 43 Question Id : 3909004003 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The density of cotton is

Options :

1. Higher than glass
2. Lower than polypropylene
3. Higher than polyester
4. Lower than nylon

Question Number : 44 Question Id : 3909004004 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The tenacity of 18 gf/tex is approximately equivalent to

Options :

1. 18 MN/tex
2. 18 N/tex
3. 180 RKM
4. 18 cN/tex

Question Number : 45 Question Id : 3909004005 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The suitable spinning system which is used for manufacturing aramid fibre is

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Options :

1. Melt spinning
2. Dry-jet wet spinning
3. Wet spinning
4. Dry spinning

Question Number : 46 Question Id : 3909004006 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The wet strength of viscose is \_\_\_\_\_

Options :

1. Lower than its dry strength
2. Higher than its dry strength
3. Higher than cotton fibre's dry strength
4. Lower than cotton fibre's wet strength

Question Number : 47 Question Id : 3909004007 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The amount (%) of recommended water (by weight) in dried poly (ethylene terephthalate) chips suitable for melt spinning is in the range of \_\_\_\_\_

Options :

1. 1% to 1.2%
2. 0.1% to 0.4%
3. 0.04% to 0.06%
4. 0.001% to 0.005%

Question Number : 48 Question Id : 3909004008 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The melting point of Nylon 6 is \_\_\_\_\_

Options :

1. Greater than Nylon 66
2. Greater than Polypropylene
3. Lower than Nylon 66
4. Lower than Polyethylene

Question Number : 49 Question Id : 3909004009 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The influence of benzene ring in a fibre structure is \_\_\_\_\_

Options :

1. To increase the amorphous nature
2. To give firmness to the structure
3. To increase the moisture absorption
4. To increase the elongation

Question Number : 50 Question Id : 3909004010 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The number of amino acids present in silk fibre is \_\_\_\_\_

Options :

1. 10
2. 16
3. 20
4. 26

Question Number : 51 Question Id : 3909004011 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In non-crystalline region of cellulose, the type of bond formed is \_\_\_\_\_

Options :

1. Vander-waals force
2. Covalent bond
3. Ionic bond
4. Hydrogen bond

Question Number : 52 Question Id : 3909004012 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In silk fibre production, the process named as stifling is \_\_\_\_\_

Options :

1. Sorting
2. Cooking
3. Reeling
4. Drying

Question Number : 53 Question Id : 3909004013 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The major part of silk fibre is made-up of \_\_\_\_\_

Options :

1. Arginine
2. Fibroin
3. Keratin

#### 4. Sericin

Question Number : 54 Question Id : 3909004014 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The crystallinity of silk fibre is \_\_\_\_\_

Options :

1. Lower than cotton
2. Higher than wool
3. Lower than wool
4. Lower than LDPE

Question Number : 55 Question Id : 3909004015 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The range of spiral angle of secondary layer of cotton fibre is

Options :

1.  $20^{\circ} - 23^{\circ}$
2.  $27^{\circ} - 33^{\circ}$
3.  $45^{\circ} - 48^{\circ}$
4.  $75^{\circ} - 78^{\circ}$

Question Number : 56 Question Id : 3909004016 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one of the following is a unicellular fibre?

Options :

1. Flax
2. Cotton
3. Jute

4. Raw silk

Question Number : 57 Question Id : 3909004017 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0

Traverse ratio in winding machine is defined as

Options :

1. The number of revolution made by the package during the time taken for the yarn guide to make a traverse in one direction across the package
2. The number coils laid by the package during single traverse of the yarn guide
3. The number coils laid by the package during double traverse of the yarn guide
4. The speed at which the traverse guide moves

Question Number : 58 Question Id : 3909004018 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0

Find out the false statement with respect to precision winding machine?

Options :

1. The actual winding rate of the yarn is lesser than the surface speed of the package
2. The actual winding rate of the yarn is higher than the surface speed of the package
3. The actual winding rate of the yarn is equal to the surface speed of the package
4. The actual winding rate of the yarn is not affected by the yarn traverse rate

Question Number : 59 Question Id : 3909004019 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0

Which one of the following shed is formed in tappet shedding?

Options :

1. Semi open shed
2. Fully open shed
3. Bottom closed shed
4. Center closed shed

Question Number : 60 Question Id : 3909004020 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The purpose of using picking shoe in cone picking mechanism is

Options :

1. To increase shuttle speed
2. To increase picking force
3. To give parallel picking
4. To give more picks/inch

Question Number : 61 Question Id : 3909004021 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The modulus of a textile material is 1 MPa, which is equivalent to

Options :

1.  $1 \text{ N/m}^2$
2.  $1 \text{ N/cm}^2$
3.  $1 \text{ N/mm}^2$
4.  $1 \text{ Kgf/mm}^2$

Question Number : 62 Question Id : 3909004022 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The increase in warp tension

Options :

1. Increases the warp crimp and decreases the weft crimp
2. Decreases the warp crimp and increases the weft crimp
3. Increases the both warp and weft crimps
4. Decreases both warp and weft crimps

Question Number : 63 Question Id : 3909004023 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following let-off mechanism has a triangle shaped compensating lever to adjust the warp tension?

Options :

1. Ruti let-off
2. Bartlett let-off
3. Cimmco let-off
4. Toyoda let-off

Question Number : 64 Question Id : 3909004024 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one the following mechanism is used to identify the weft break?

Options :

1. Warp protector
2. Warp stop motion
3. Weft fork

## 4. Shuttle checking

Question Number : 65 Question Id : 3909004025 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

When entering the shed, a shuttle has a speed of 16m/s. If the retardation during its passage through the shed is  $1.0\text{m/s}^2$  and the time for the shuttle passage is 0.1 s, find out the speed of the shuttle as it leaves the shed?

Options :

1. 15.0 m/s
2. 15.9 m/s
3. 16.0 m/s
4. 16.1 m/s

Question Number : 66 Question Id : 3909004026 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Weft transfer takes place in \_\_\_\_\_ machine

Options :

1. Automatic shuttle weaving
2. Projectile weaving
3. Air-jet weaving
4. Rapier weaving

Question Number : 67 Question Id : 3909004027 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In which one of the following machine, a series of electromagnetic block is rotating?

Options :

1. Rapier
2. Projectile
3. Circular
4. Air-jet

Question Number : 68 Question Id : 3909004028 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Steam consumption in sizing process is around

Options :

1. 5%
2. 15%
3. 60%
4. 75%

Question Number : 69 Question Id : 3909004029 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The light fastness of basic dye on acrylic is better due to

Options :

1. Fast Chromphore
2. Fast Auxochrome
3. Quick transfer of light energy to substrate
4. Resonance of the dye

Question Number : 70 Question Id : 3909004030 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Heterobifunctional reactive dye compared to mono-functional reactive dyes possess

Options :

1. High exhaustion
2. Low exhaustion
3. High tinctorial value
4. Low tinctorial value

Question Number : 71 Question Id : 3909004031 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

TEGEWA rating is applicable for evaluation of desizing of

Options :

1. Starch
2. Poly Vinyl alcohol
3. Polyvinyl acetate
4. Carboxy Methyl Cellulose

Question Number : 72 Question Id : 3909004032 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The degradation occurring to cotton in preparatory process is assessed by

Options :

1. Methylene blue
2. Copper Number
3. Barium Activity Number
4. Cuprammonium fluidity test

Question Number : 73 Question Id : 3909004033 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

HATRA crimp rigidity test of textured yarns is mostly carried out in water to

Options :

1. Remove the temporary set
2. Improve buoyancy
3. Simulate laundering effect
4. To maintain constant temperature

Question Number : 74 Question Id : 3909004034 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The reducing groups in cotton can be assessed by

Options :

1. Methylene blue
2. Copper Number
3. Barium Activity Number
4. Cuprammonium fluidity test

Question Number : 75 Question Id : 3909004035 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Acrylic high bulk yarns are produced by

Options :

1. False Twist texturising acrylic yarn production Process
2. By mixing and spinning high shrinkable and non-shrinkable acrylic fibers
3. Gear Crimping acrylic yarn production Process
4. Stuffer box acrylic yarn production Process

Question Number : 76 Question Id : 3909004036 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The thickener least preferred for printing with reactive dyes is

Options :

1. Starch
2. CMC
3. Sodium alginate
4. Guar gum

Question Number : 77 Question Id : 3909004037 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Resist salt is

Options :

1. Sodium Sulphate
2. A strong oxidizing agent
3. A Strong reducing agent
4. Sodium sulfoxylate formaldehyde

Question Number : 78 Question Id : 3909004038 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Nucleophilic addition reaction is followed in

Options :

1. Vinyl Sulphone reactive dye
2. Monochloro triaznyl reactive dye
3. Dichloro triaznyl reactive dye
4. Monofluoro triaznyl reactive dye

Question Number : 79 Question Id : 3909004039 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one of the following is bridging group in reactive dye?

Options :

1. Bromo
2. Chloro
3. azo
4. imino

Question Number : 80 Question Id : 3909004040 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Antistatic finishing agents do not

Options :

1. Decrease the conductivity
2. Increase the conductivity
3. Lower the humidity
4. Increase the humidity

Question Number : 81 Question Id : 3909004041 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

THPC flame retardant is produced by reaction of

Options :

1. Phosphine and Formaldehyde
2. Urea and Formaldehyde
3. Sulphur and formaldehyde

## Ammonia and Formaldehyde

4.

Question Number : 82 Question Id : 3909004042 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The repellents that repel both oil and water is

Options :

1. Fluorocarbons
2. Paraffin wax
3. Stearic acid- melamine
4. Silicone water repellents

Question Number : 83 Question Id : 3909004043 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The UV B radiation is in range of

Options :

1. 100-240 nm
2. 240-280 nm
3. 280-320 nm
4. 320-360 nm

Question Number : 84 Question Id : 3909004044 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The enzyme that is used for denim fabric washing is

Options :

1. Cellulase
2. Pectinase

3. Cutinase

4. Catalase

Question Number : 85 Question Id : 3909004045 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The substrate, which is attacked by the enzyme laccase is

Options :

1. Cellulose

2. Indigo dye

3. Pectin

4. Peroxides

Question Number : 86 Question Id : 3909004046 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

With respect to comfort, low stress mechanical properties are denoted as

Options :

1. Thermal comfort properties

2. Tactile comfort properties

3. Psychological comfort properties

4. Moisture vapour transfer properties

Question Number : 87 Question Id : 3909004047 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In a fabric, wicking takes place -----.

Options :

1. Before wetting

2. After wetting
3. During moisture transfer
4. During air permeability

Question Number : 88 Question Id : 3909004048 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0

The number of fabric properties which are measured by KES is -----

Options :

1. 6
2. 10
3. 16
4. 20

Question Number : 89 Question Id : 3909004049 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0

Reversible expansion is the result of wetting of ----- fabrics.

Options :

1. Cotton
2. Viscose
3. Wool
4. Polypropylene

Question Number : 90 Question Id : 3909004050 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct Marks : 1 Wrong Marks : 0

With respect to comfort properties, the Japanese term 'Numeri' stands for

Options :

1. Stiffness
2. Bending
3. Smoothness
4. Roughness

Question Number : 91 Question Id : 3909004051 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Among the following, which property influences the torsional rigidity of fibre?

Options :

1. Shape factor
2. Bending length
3. Luster
4. Moisture diffusion property

Question Number : 92 Question Id : 3909004052 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Among the following, which property directly influences the thermal comfort of fabric?

Options :

1. Air permeability
2. Thickness
3. Moisture absorption
4. Tear strength

Question Number : 93 Question Id : 3909004053 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Tog meter is used for measuring-----

Options :

1. Tensile strength
2. MVTR
3. Thermal conductivity
4. Thickness

Question Number : 94 Question Id : 3909004054 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Multi directional bending of fabrics is measured by

Options :

1. Stiffness tester
2. Drape meter
3. KES system
4. FAST

Question Number : 95 Question Id : 3909004055 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one of the following statement is correct?

Options :

1. Thermal conductivity is directly proportional to thermal insulation
2. Thickness is directly proportional to thermal conductivity
3. Thermal conductivity is inversely proportional to thermal insulation
4. Thickness is inversely proportional to thermal insulation

Question Number : 96 Question Id : 3909004056 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The directional frictional effect of wool fibre results -----

Options :

1. Higher thermal conductivity
2. Higher felting shrinkage
3. Lower thermal insulation
4. Higher moisture vapour transfer

Question Number : 97 Question Id : 3909004057 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

With same construction details, drapability of ring yarn fabric is -----.

Options :

1. Equal to rotor yarn fabric
2. Higher than rotor yarn fabric
3. Lower than compact yarn fabric
4. Lower than rotor yarn fabric

Question Number : 98 Question Id : 3909004058 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The wetting and wicking of yarn is described by-----

Options :

1. Braggs equation
2. Lamberts law
3. Fick's equation
4. Young's equation

Question Number : 99 Question Id : 3909004059 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The fibre profile which is efficient for hiding dirt is -----

Options :

1. Circular
2. Elliptical
3. Multilobal
4. Triangular

Question Number : 100 Question Id : 3909004060 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The process of determining the most cost efficient vendor at a specified quality and service level

Options :

1. Supplier
2. Sourcing
3. Vendor compliance
4. Quality control

Question Number : 101 Question Id : 3909004061 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

What major factors influence make or buy decisions?

Options :

1. Supplier, buyer, payment terms and quantity
2. Distance, past performance, reliability & buyer
3. Price, production capacity, timing & quality
4. Supplier, distance, payment terms & availability

Question Number : 102 Question Id : 3909004062 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Factor that do not affect the marker efficiency is

Options :

1. Fabric characteristics
2. Fabric colour
3. Shape of pattern pieces
4. Grain requirements

Question Number : 103 Question Id : 3909004063 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A marker planned for short number of pieces is

Options :

1. Marker making
2. Remnant marker
3. Manual marker
4. Mini marker

Question Number : 104 Question Id : 3909004064 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In producing a shirt with matching check patterns, the marker efficiency generally

Options :

1. Increases with increasing distance between the check patterns
2. Decrease with increasing distance between the check patterns
3. Remains unchanged irrespective of the distance between the repeats

Remains unchanged irrespective of the size of the design

4.

Question Number : 105 Question Id : 3909004065 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Asymmetric fabrics are generally spread in

Options :

1. Nap one way
2. Nap up and down
3. Face to face
4. Face up and down

Question Number : 106 Question Id : 3909004066 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Fabric information not affecting cut order planning is

Options :

1. Fabric width
2. Fabric roll length
3. Fabric thickness
4. Fabric finish

Question Number : 107 Question Id : 3909004067 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which cutting equipment is difficult to manipulate around curves and sharp angles?

Options :

1. Hand shears
2. Round knife

3. Straight knife

4. Band knife

Question Number : 108 Question Id : 3909004068 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Internal transfer marks facilitate operators for

Options :

1. Stitching

2. Alignment

3. Folding

4. Shifting

Question Number : 109 Question Id : 3909004069 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The seam formed by sewing two butted pieces of fabrics

Options :

1. Flat seam

2. Superimposed seams

3. Lapped seams

4. Bound seams

Question Number : 110 Question Id : 3909004070 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Sewing thread thickness is designated as

Options :

1. Tex numbering system
2. Denier numbering system
3. Indirect numbering system
4. Ticket number

Question Number : 111 Question Id : 3909004071 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Delamination, boardiness, bubbling are problems associated with

Options :

1. Linings
2. Interlinings
3. Sewing
4. Pressing

Question Number : 112 Question Id : 3909004072 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Sewability of sewing thread is dependent on

Options :

1. Strength
2. Loop formation
3. Luster
4. Fineness

Question Number : 113 Question Id : 3909004073 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Embroidery thread are generally made of

Options :

1. Cotton
2. Acrylic
3. Polyurethane
4. Viscose

Question Number : 114 Question Id : 3909004074 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pressing equipment best suited to reduce cost and process garments at high rate

Options :

1. Steam tunnel
2. Iron pressing
3. Block pressing
4. Buck press

Question Number : 115 Question Id : 3909004075 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The degree of polymerization of viscose is \_\_\_\_\_

Options :

1. Greater than cotton
2. Greater than polynosic rayon
3. Lower than cotton but greater than polynosic rayon

4. Lower than polynosic rayon

Question Number : 116 Question Id : 3909004076 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The suitable solvent for silk fibre is \_\_\_\_\_

Options :

1. 70%  $H_2SO_4$

2. Acetone

3. 1% NaOH

4. Ethanol

Question Number : 117 Question Id : 3909004077 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Polyester is a

Options :

1. Random copolymer

2. Block copolymer

3. Alternating copolymer

4. Graft copolymer

Question Number : 118 Question Id : 3909004078 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The diameter of yarn is

Options :

1. Directly proportional to square of specific volume of yarn

2. Directly proportional to square root of specific volume of yarn

3. Inversely proportional to square root of specific volume of yarn

4. Directly proportional to square of specific density of yarn

Question Number : 119 Question Id : 3909004079 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Select the wrong relationship between retraction of yarn and twist angle

Options :

1.  $(\sec \alpha - 1) / (\sec \alpha + 1)$

2.  $(1 - \cos \alpha) / (1 + \cos \alpha)$

3.  $\tan^2 (\alpha/2)$

4.  $\tan^2 (\alpha)$

Question Number : 120 Question Id : 3909004080 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

When the data follow normal distribution, the relationship between U% and CV% of yarn is expressed approximately as

Options :

1.  $U\% = CV\%$

2.  $CV\% = 1.25 U\%$

3.  $U\% = 1.25 CV\%$

4.  $CV\% = 2.0 U\%$