

National Testing Agency

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Textile Engineering

Group Number :	1
Group Id :	30169843
Group Maximum Duration :	0
Group Minimum Duration :	90
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	300

Textile Engineering

Section Id :	30169843
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	75
Number of Questions to be attempted :	75
Section Marks :	300
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	30169863
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 3016983169 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In _____, the package is driven in frictional contact with the drum.

1. Drum driven winding
2. Spindle driven winding
3. Pirn winding
4. Weft winding

Options :

30169812601. 1

30169812602. 2

30169812603. 3

30169812604. 4

Question Number : 2 Question Id : 3016983170 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In _____, the yarn passes through two plates in which one plate is the baseplate and the other is a weighing plate.

1. Electronic tensioner
2. Additive type tensioner
3. Multiplicative type tensioner
4. Roller tensioner

Options :

30169812605. 1

30169812606. 2

30169812607. 3

30169812608. 4

Question Number : 3 Question Id : 3016983171 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In case of plain weave fabric, the respective warp and weft counts are 30 tex and 20 tex, with 40 ends per cm and 30 picks per cm. The warp has 10% crimp and weft also 10% crimp. Calculate the weight of fabric in grams/square meter.

1. 178
2. 188
3. 198
4. 208

Options :

30169812609. 1

30169812610. 2

30169812611. 3

30169812612. 4

Question Number : 4 Question Id : 3016983172 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In _____ system, a warping beam with a complex pattern of colored strips is obtained.

1. Direct beam warping
2. Ball warping
3. Sectional warping
4. Warp sizing machine

Options :

- 30169812613. 1
- 30169812614. 2
- 30169812615. 3
- 30169812616. 4

Question Number : 5 Question Id : 3016983173 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the slasher sizing machine, the principle involved in drying the wet warp sheet by physical contact with a hot drum surface is _____.

1. Conduction
2. Convection
3. Radiation
4. Combined convection and radiation

Options :

- 30169812617. 1
- 30169812618. 2
- 30169812619. 3
- 30169812620. 4

Question Number : 6 Question Id : 3016983174 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

To prevent the growth of microorganisms, _____ is added to the size paste.

1. Adhesive material
2. Softener
3. Antistatic agent
4. Antiseptic agent

Options :

- 30169812621. 1
- 30169812622. 2
- 30169812623. 3
- 30169812624. 4

Question Number : 7 Question Id : 3016983175 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The material flow of the warp sheet through different zones in a sizing machine is _____.

- A. Drying zone
- B. Size box zone
- C. Beaming zone
- D. Creel zone

Choose the **correct** answer from the options given below:

- 1. A, C, B, D
- 2. D, B, A, C
- 3. C, A, D, B
- 4. B, D, C, A

Options :

- 30169812625. 1
- 30169812626. 2
- 30169812627. 3
- 30169812628. 4

Question Number : 8 Question Id : 3016983176 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The _____ machine is used to produce a suitable package of weft yarn for a shuttle loom.

- 1. Pirn winding
- 2. Cone winding
- 3. Sectional warping
- 4. Two for one twister

Options :

- 30169812629. 1
- 30169812630. 2
- 30169812631. 3
- 30169812632. 4

Question Number : 9 Question Id : 3016983177 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match **Type of shed** with **Position of warps**

LIST-I Type of shed		LIST-II Position of warps	
A.	Fully open shed	I.	All warp return to mid-position before the next shedding
B.	Semi-open shed	II.	All ends come down to the bottom position before the next shedding
C.	Center closed shed	III.	Unnecessary movements of the warps are avoided
D.	Bottom closed shed	IV.	A few healds move half the distance from the depth of the shed and go back to their top position for next shedding

Choose the **correct** answer from the options given below:

1. A-IV, B-I, C-III, D-II
2. A-II, B-III, C-I, D-IV
3. A-I, B-II, C-IV, D-III
4. A-III, B-IV, C-I, D-II

Options :

30169812633. 1
 30169812634. 2
 30169812635. 3
 30169812636. 4

Question Number : 10 Question Id : 3016983178 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In _____, an external device is required to close the hook of needle during loop formation.

1. Latch Needle
2. Compound Needle
3. Bearded Needle
4. Sewing Needle

Options :

30169812637. 1
 30169812638. 2
 30169812639. 3
 30169812640. 4

Question Number : 11 Question Id : 3016983179 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In _____ weft knitting machine, the needles in the two beds are not face to face but needles in one bed are in between the needles of the other bed.

1. Single jersey circular machine
2. Rib knitting
3. Interlock knitting
4. Purl knitting

Options :

- 30169812641. 1
- 30169812642. 2
- 30169812643. 3
- 30169812644. 4

Question Number : 12 Question Id : 3016983180 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the warp knitting machine, the _____ of the guide bar takes place either from the front of the needles to the back or from the back of the needles to the front.

1. Swinging motion
2. Shogging motion
3. Vertical motion
4. Circular motion

Options :

- 30169812645. 1
- 30169812646. 2
- 30169812647. 3
- 30169812648. 4

Question Number : 13 Question Id : 3016983181 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In nonwoven fabric manufacturing, the melt spinning process produces _____

1. Spun bonded web
2. Aerodynamically formed web
3. mechanically formed web
4. wetlaid web

Options :

- 30169812649. 1
- 30169812650. 2

30169812651. 3

30169812652. 4

Question Number : 14 Question Id : 3016983182 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match Direction with Orientation of fibers on the web

LIST-I Direction		LIST-II Orientation of fibers	
A.	Longitudinal orientation	I.	Not oriented
B.	Transverse orientation	II.	Fibres laid in machine direction and width-wise directions
C.	Cross directional web	III.	Fibres laid in a machine direction
D.	Random oriented web	IV.	Fibres laid in a width-wise direction

Choose the *correct* answer from the options given below:

1. A - IV , B - I , C - III , D - II

2. A - II , B - III , C - I , D - IV

3. A - I , B - II , C - IV , D - III

4. A - III , B - IV , C - II , D - I

Options :

30169812653. 1

30169812654. 2

30169812655. 3

30169812656. 4

Question Number : 15 Question Id : 3016983183 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In non-woven fabric manufacturing, the surgical face masks are produced by _____.

1. Spunbond technology

2. Meltblown technology

3. Carded web

4. Wet laid technology

Options :

30169812657. 1

30169812658. 2

30169812659. 3

Question Number : 16 Question Id : 3016983184 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Calculate the production per shift of 8 hrs of a loom running at 200 picks/min with 90% efficiency. The number of picks per inch inserted in the cloth is 56.

1. 10.4 yards
2. 20.0 yards
3. 50.05 yards
4. 42.86 yards

Options :

- 30169812661. 1
- 30169812662. 2
- 30169812663. 3
- 30169812664. 4

Question Number : 17 Question Id : 3016983185 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In _____ mechanism, the shuttle passes through the shed from one shuttle box to the opposite shuttle box.

1. Shedding
2. Picking
3. Beat up
4. Let off

Options :

- 30169812665. 1
- 30169812666. 2
- 30169812667. 3
- 30169812668. 4

Question Number : 18 Question Id : 3016983186 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In _____ rapier, the gripper heads are propelled by flexible tape.

1. Telescopic
2. Double headed rigid
3. Flexible
4. Single head rigid

Options :

30169812669. 1
30169812670. 2
30169812671. 3
30169812672. 4

Question Number : 19 Question Id : 3016983187 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In case of weft knitted fabric _____ structure, each wale consists of alternate face and back loops.

1. Rib
2. Plain single jersey
3. Interlock
4. Purl

Options :

30169812673. 1
30169812674. 2
30169812675. 3
30169812676. 4

Question Number : 20 Question Id : 3016983188 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A cotton fabric is treated with a finishing chemical of 6.0 % concentration. If the wet pickup is 80 %, the add-on of chemical on fabric is _____.

1. 48 g/l
2. 4.8 %
3. 48 %
4. 0.48 %

Options :

30169812677. 1
30169812678. 2
30169812679. 3

Question Number : 21 Question Id : 3016983189 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The process of removal of protruding fibers from the surface of fabric is called as _____.

1. Singeing
2. Bleaching
3. Shearing
4. Cropping

Options :

30169812681. 1

30169812682. 2

30169812683. 3

30169812684. 4

Question Number : 22 Question Id : 3016983190 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match Machine with Principle

LIST-I Machine		LIST-II Principle	
A.	Tub dyeing	I.	Moving the textile material through the stationary dye liquor.
B.	Jigger dyeing	II.	Pumping the dye liquor through the stationary textile.
C.	Package dyeing	III.	Moving the textile material and dyeing liquor simultaneously.
D.	Jet dyeing	IV.	Textile materials and dye liquor are stationary.

Choose the **correct** answer from the options given below:

1. A - IV , B - I , C - II , D - III
2. A - I , B - III , C - II , D - IV
3. A - I , B - II , C - IV , D - III
4. A - III , B - IV , C - I , D - II

Options :

30169812685. 1

30169812686. 2

30169812687. 3

30169812688. 4

Question Number : 23 Question Id : 3016983191 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Objectives of scouring of cotton

- A. To remove natural fatty matter from textiles.
- B. To remove added fatty matter from textiles.
- C. To remove pectins from textiles.
- D. To remove coloring matter from textiles.

Choose the **correct** answer from the options given below:

- 1. A, B and D only
- 2. A, B and C only
- 3. A, B, C and D
- 4. B, C and D only

Options :

30169812689. 1

30169812690. 2

30169812691. 3

30169812692. 4

Question Number : 24 Question Id : 3016983192 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Process sequence for polyester/wool blended knitted goods (Crisp handle)

- A. Light brushing.
- B. Open steam (allowing full relaxation).
- C. Decatising.
- D. Close cropping on face side of fabric.

Choose the **correct** answer from the options given below:

- 1. A, B, C, D
- 2. A, C, B, D
- 3. B, A, D, C
- 4. C, B, D, A

Options :

30169812693. 1

30169812694. 2

30169812695. 3

Question Number : 25 Question Id : 3016983193 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The reactive dyes are applied to Cellulosic fiber in an alkaline dyeing bath, by chemically reacting to form _____ with the hydroxyl group of the fiber.

1. Salt linkage
2. Hydrogen bond
3. Ionic bond
4. Covalent bond

Options :

30169812697. 1
30169812698. 2
30169812699. 3
30169812700. 4

Question Number : 26 Question Id : 3016983194 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Desizing of a grey cotton fabric having a starch-based size can not be done using_____.

1. Amylase enzyme
2. Dilute Hydrochloric acid
3. DMDHEU
4. Hydrogen peroxide

Options :

30169812701. 1
30169812702. 2
30169812703. 3
30169812704. 4

Question Number : 27 Question Id : 3016983195 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which among the following is not a characteristic of binder?

- A. Capable of application by dry/cure to form a film, trapping the pigment on the surface of the substrate
- B. Provide adhesion of the pigment to the substrate surface
- C. Able to crosslink in order to form a protective film
- D. Nonelastic properties to allow for bending and stretching of the substrate after printing

1. A

2. B

3. C

4. D

Options :

30169812705. 1

30169812706. 2

30169812707. 3

30169812708. 4

Question Number : 28 Question Id : 3016983196 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The Pad - Dry - Cure process is followed in _____.

1. Reactive Dyeing

2. Pigment dyeing

3. Vat dyeing

4. Direct dyeing

Options :

30169812709. 1

30169812710. 2

30169812711. 3

30169812712. 4

Question Number : 29 Question Id : 3016983197 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The after treatment of certain direct dyes with 0.25–2% copper sulphate and 1% acetic acid for 20–30 min at 60°C to improve _____.

1. Washing fastness
2. Light fastness
3. Light and washing fastness both
4. Perspiration fastness

Options :

- 30169812713. 1
- 30169812714. 2
- 30169812715. 3
- 30169812716. 4

Question Number : 30 Question Id : 3016983198 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Vatting process does not accelerate due to _____.

1. Temperature
2. Concentration of alkali
3. Concentration of reducing agent
4. Time

Options :

- 30169812717. 1
- 30169812718. 2
- 30169812719. 3
- 30169812720. 4

Question Number : 31 Question Id : 3016983199 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The light fastness of azoic dyed material decreases mainly due to _____.

1. Depth of color
2. Type of fabric
3. Humidity
4. Type of substrate

Options :

- 30169812721. 1
- 30169812722. 2
- 30169812723. 3
- 30169812724. 4

Question Number : 32 Question Id : 3016983200 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the pad-steam process of vat dye, intermediate drying is carried out for _____.

1. Better fixation
2. Prevention of pigment migration
3. Increase in color depth
4. Avoiding color change

Options :

- 30169812725. 1
- 30169812726. 2
- 30169812727. 3
- 30169812728. 4

Question Number : 33 Question Id : 3016983201 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which dye is responsible for tendering of cotton?

1. Reactive dye
2. Basic dye
3. Sulphur dye
4. Azoic dye

Options :

- 30169812729. 1
- 30169812730. 2
- 30169812731. 3
- 30169812732. 4

Question Number : 34 Question Id : 3016983202 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The maximum damage to cotton in sodium hypochlorite is found at _____ pH.

1. 3 to 4
2. 5 to 6
3. 7 to 8
4. 9 to 10

Options :

- 30169812733. 1

30169812734. 2

30169812735. 3

30169812736. 4

Question Number : 35 Question Id : 3016983203 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

_____ has the highest Biological Oxygen Demand (BOD).

1. Corn starch
2. British gum
3. C. M. C.
4. Polyvinyl alcohol

Options :

30169812737. 1

30169812738. 2

30169812739. 3

30169812740. 4

Question Number : 36 Question Id : 3016983204 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In wet spinning process, the solvent removal and fiber solidification takes place during _____ stage.

1. Drawing
2. Wet coagulation
3. Spin finish
4. Heat setting

Options :

30169812741. 1

30169812742. 2

30169812743. 3

30169812744. 4

Question Number : 37 Question Id : 3016983205 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The Transmission Electron Microscopy (TEM) is used for the study of _____ structure of fibrous material.

1. Surface
2. Internal
3. Localised
4. External

Options :

30169812745. 1
30169812746. 2
30169812747. 3
30169812748. 4

Question Number : 38 Question Id : 3016983206 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The term wash and wear is used in the case of polyester fiber due to its _____.

1. High amorphicity and high water absorption
2. Low crystalline and low water absorption
3. Poor water absorption and high crease recovery
4. High water absorption and low crease recovery

Options :

30169812749. 1
30169812750. 2
30169812751. 3
30169812752. 4

Question Number : 39 Question Id : 3016983207 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The glass fiber is _____ fiber.

1. Protein
2. Inorganic
3. Cellulosic
4. Elastomeric

Options :

30169812753. 1
30169812754. 2
30169812755. 3
30169812756. 4

Question Number : 40 Question Id : 3016983208 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The wool fiber exhibits high elastic recovery among the natural fibers due to its_____.

1. Strong inter-molecular linkages
2. Weak lateral forces
3. Poor molecular arrangement
4. High crystalline region

Options :

30169812757. 1
30169812758. 2
30169812759. 3
30169812760. 4

Question Number : 41 Question Id : 3016983209 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The outstanding features of polynosic fiber are_____.

- A. Good dimensional stability.
- B. High wet modulus.
- C. High resistance to alkali.
- D. Low strength and high elongation.

Choose the **correct** answer from the options given below:

1. A, B and D only
2. A, B and C only
3. A, B, C and D
4. B, C and D only

Options :

30169812761. 1
30169812762. 2
30169812763. 3
30169812764. 4

Question Number : 42 Question Id : 3016983210 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Arrange the following transition temperatures given by Differential Scanning Calorimetry (DSC) in ascending order.

- A. Melting temperature
- B. Crystallization temperature
- C. Degradation temperature
- D. Glass transitions temperature

1. D, B, A, C

2. A, C, B, D

3. B, A, D, C

4. C, B, D, A

Options :

30169812765. 1

30169812766. 2

30169812767. 3

30169812768. 4

Question Number : 43 Question Id : 3016983211 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match Fibre with Application

LIST-I Fibre		LIST-II Applications	
A.	Silk fibre	I.	Fire retardant
B.	Wool fibre	II.	Directional lustre
C.	Nomex fibre	III.	Bulletproof
D.	Kevlar fibre	IV.	Thermal insulation

Choose the **correct** answer from the options given below:

1. A - I , B - II , C - III , D - IV

2. A - I , B - III , C - II , D - IV

3. A - II , B - IV , C - I , D - III

4. A - III , B - IV , C - I , D - II

Options :

30169812769. 1

30169812770. 2

30169812771. 3

30169812772. 4

Question Number : 44 Question Id : 3016983212 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The monomer used in the manufacture of Nylon 6 fiber is _____.

1. Hexamethylene diamine
2. Adipic acid
3. Caprolactum
4. Terephthalic acid

Options :

30169812773. 1
30169812774. 2
30169812775. 3
30169812776. 4

Question Number : 45 Question Id : 3016983213 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

On mercerization, moisture regain of cotton fiber _____.

1. Decreases
2. Remain unchanged
3. Increases
4. Indeterminate

Options :

30169812777. 1
30169812778. 2
30169812779. 3
30169812780. 4

Question Number : 46 Question Id : 3016983214 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The essential requirements of fiber forming polymers are _____.

- A. Linear polymer
- B. Three dimensional polymer
- C. High molecular weight
- D. Strong lateral forces

Choose the **correct** answer from the options given below:

- 1. A, B and D only
- 2. A, B and C only
- 3. A, B, C and D
- 4. A, C and D only

Options :

- 30169812781. 1
- 30169812782. 2
- 30169812783. 3
- 30169812784. 4

Question Number : 47 Question Id : 3016983215 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The acrylic fiber is called artificial wool due to _____ formed on removal of solvent during manufacturing.

- 1. Twist
- 2. Serrations
- 3. Voids
- 4. Dents

Options :

- 30169812785. 1
- 30169812786. 2
- 30169812787. 3
- 30169812788. 4

Question Number : 48 Question Id : 3016983216 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The melting temperature of Nylon 6 fiber is _____.

1. 180° C
2. 120° C
3. 218° C
4. 265° C

Options :

30169812789. 1
30169812790. 2
30169812791. 3
30169812792. 4

Question Number : 49 Question Id : 3016983217 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The primary functions of Spin finish are _____.

- A. Lubrication of fiber surface
- B. Drawing of filaments
- C. Antistatic action
- D. Cohesion of filaments

1. A, C and D only
2. A, B and C only
3. A, B, C and D
4. B, C and D only

Options :

30169812793. 1
30169812794. 2
30169812795. 3
30169812796. 4

Question Number : 50 Question Id : 3016983218 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The objective of the filament drawing process is to improve the _____ of a fibre.

1. Crystallinity
2. Molecular orientation
3. Density
4. Thickness

Options :

30169812797. 1
30169812798. 2
30169812799. 3
30169812800. 4

Question Number : 51 Question Id : 3016983219 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The strength of yarn decreases with the increase in specimen length due to more chances of the occurrence of _____ places in longer specimen.

1. Faults
2. Strong
3. Weak
4. Very strong

Options :

30169812801. 1
30169812802. 2
30169812803. 3
30169812804. 4

Question Number : 52 Question Id : 3016983220 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The KES-FB1 module of Kawabata hand evaluation instruments gives _____.

- A. Linearity of the load elongation curve.
- B. Compression resilience.
- C. Tensile energy.
- D. Tensile resiliency.

Choose the **correct** answer from the options given below:

1. A, C and D only
2. A, B and C only
3. A, B, C and D
4. B, C and D only

Options :

30169812805. 1
30169812806. 2
30169812807. 3
30169812808. 4

Question Number : 53 Question Id : 3016983221 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The control and reduction of short fiber content have a direct impact on _____ in a yarn.

1. Thin places
2. Thick places
3. Long thin places
4. Neps

Options :

- 30169812809. 1
- 30169812810. 2
- 30169812811. 3
- 30169812812. 4

Question Number : 54 Question Id : 3016983222 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The periodic mass variations in yarn are mainly caused by _____.

1. Machine faults
2. Machine setting
3. Random fiber arrangement
4. Personal error

Options :

- 30169812813. 1
- 30169812814. 2
- 30169812815. 3
- 30169812816. 4

Question Number : 55 Question Id : 3016983223 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match the **LIST-I** with **LIST-II**

LIST-I		LIST-II	
A.	Tear strength	I.	Contact angle test
B.	Water repellency	II.	Periodic faults
C.	Seldom occurring faults	III.	Impact principle
D.	Spectrogram	IV.	Classimat

Choose the **correct** answer from the options given below:

1. A - I , B - II , C - III , D - IV
2. A - I , B - III , C - II , D - IV
3. A - I , B - II , C - IV , D - III
4. A - III , B - I , C - IV , D - II

Options :

30169812817. 1
30169812818. 2
30169812819. 3
30169812820. 4

Question Number : 56 Question Id : 3016983224 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The cotton fiber exhibits poor crease recovery due to _____.

1. Strong lateral linkages
2. Flexible polymer chain
3. Weak lateral linkages
4. Breakage of polymer chains

Options :

30169812821. 1
30169812822. 2
30169812823. 3
30169812824. 4

Question Number : 57 Question Id : 3016983225 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

With all other parameters constant, the fabric with a low cover factor effectively transmits water vapor by a diffusion mechanism in comparison with that of fabric with a high cover factor due to _____.

1. More air space
2. Less thickness
3. High thickness
4. Less air space

Options :

- 30169812825. 1
- 30169812826. 2
- 30169812827. 3
- 30169812828. 4

Question Number : 58 Question Id : 3016983226 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The strength of fiber is usually measured in bundle form because there is better correlation between fiber bundle strength and _____.

1. Yarn hairiness
2. Yarn unevenness
3. Yarn strength
4. Yarn twist

Options :

- 30169812829. 1
- 30169812830. 2
- 30169812831. 3
- 30169812832. 4

Question Number : 59 Question Id : 3016983227 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The thermal insulation of clothing mainly depends on fabric _____.

1. Stiffness
2. Thickness
3. Crease recovery
4. Weight

Options :

- 30169812833. 1
- 30169812834. 2

30169812835. 3

30169812836. 4

Question Number : 60 Question Id : 3016983228 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A 100-meter skein of polyester filament yarn is 2.5 grams, calculate its tex number.

1. 12 tex

2. 25 tex

3. 17 tex

4. 21 tex

Options :

30169812837. 1

30169812838. 2

30169812839. 3

30169812840. 4

Question Number : 61 Question Id : 3016983229 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The electrical conductivity of fiber _____ on increase in moisture absorption.

1. increases

2. decreases

3. unchanged

4. affected

Options :

30169812841. 1

30169812842. 2

30169812843. 3

30169812844. 4

Question Number : 62 Question Id : 3016983230 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the fineness measurement by Shefiled microneaire instrument, the flow of air through a plug of fibers is related to _____ of fiber.

1. Area of cross section
2. Perimeter
3. Weight per unit length
4. Specific surface

Options :

- 30169812845. 1
- 30169812846. 2
- 30169812847. 3
- 30169812848. 4

Question Number : 63 Question Id : 3016983231 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following methods are indirect methods for determining the maturity of cotton fibers?

- A. Polarised light method
- B. Causticaire method
- C. Differential dyeing method
- D. Caustic Soda swelling method

1. Only A, B and D
2. Only A, B and C
3. Only A, C and D
4. All A, B, C and D

Options :

- 30169812849. 1
- 30169812850. 2
- 30169812851. 3
- 30169812852. 4

Question Number : 64 Question Id : 3016983232 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the twisting zone, if the rear end of the fiber is not in the nip of the delivery rollers of the ringframe, the fiber will be under no control, which causes _____.

1. Hairiness
2. Nep
3. Thick place
4. Nap

Options :

30169812853. 1
30169812854. 2
30169812855. 3
30169812856. 4

Question Number : 65 Question Id : 3016983233 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The heart loop test of measurement of fabric stiffness is especially used for _____ fabrics.

1. Heavy
2. Stiff
3. Limpy
4. Knitted

Options :

30169812857. 1
30169812858. 2
30169812859. 3
30169812860. 4

Question Number : 66 Question Id : 3016983234 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Choose the correct answer from the options given below:
 Arrange the machines of a ring spinning line in the sequence.

- A. Ring Frame
- B. Carding
- C. Speed frame
- D. Draw frame

1. A, B, C, D

2. A, C, B, D

3. B, D, C, A

4. C, B, D, A

Options :

30169812861. 1

30169812862. 2

30169812863. 3

30169812864. 4

Question Number : 67 Question Id : 3016983235 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match the LIST-I with LIST-II

LIST-I Machine part		LIST-II Function	
A.	Taker-in	I.	Individualization of fibres
B.	Cylinder	II.	Takes the fibers from cylinder surface
C.	Flats	III.	Pluck the flocks from feed roller
D.	Doffer	IV.	Elimination of neps

Choose the **correct** answer from the options given below:

1. A - I , B - II , C - III , D - IV

2. A - I , B - III , C - II , D - IV

3. A - I , B - II , C - IV , D - III

4. A - III , B - I , C - IV , D - II

Options :

30169812865. 1

30169812866. 2

30169812867. 3

30169812868. 4

Question Number : 68 Question Id : 3016983236 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Choose the correct tasks of the rotor spinning machine.

- A. Fibre separation
- B. Ordering the fibres in the strand
- C. Imparting strength by twisting
- D. Removal of neps

1. A, B and D only

2. A, B and C only

3. A, B, C and D

4. B, C and D only

Options :

30169812869. 1

30169812870. 2

30169812871. 3

30169812872. 4

Question Number : 69 Question Id : 3016983237 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In _____ modern spinning system, the rotation of yarn arises from the rotary movement of the two drums and is generated by frictional contact at the drum surface.

- 1. Airjet spinning
- 2. Ring spinning
- 3. Open end spinning
- 4. Friction spinning

Options :

30169812873. 1

30169812874. 2

30169812875. 3

30169812876. 4

Question Number : 70 Question Id : 3016983238 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the drafting system of a ring frame, the break draft is applied between_____.

1. Middle and front rollers
2. Front roller and spindle
3. Back and middle rollers
4. Creel and back roller

Options :

30169812877. 1
30169812878. 2
30169812879. 3
30169812880. 4

Question Number : 71 Question Id : 3016983239 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match the LIST-I with LIST-II

LIST-I Machine		LIST-II Material	
A.	Blow room	I.	Sliver
B.	Carding	II.	Yarn
C.	Speed frame	III.	Lap
D.	Ring frame	IV.	Roving

Choose the **correct** answer from the options given below: match the ring spinning processes with their outputs.:

1. A - I , B - II , C - III , D - IV
2. A - I , B - III , C - II , D - IV
3. A - I , B - II , C - IV , D - III
4. A - III , B - I , C - IV , D - II

Options :

30169812881. 1
30169812882. 2
30169812883. 3
30169812884. 4

Question Number : 72 Question Id : 3016983240 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

On a _____ machine, two or more single yarns are plied and twisted together.

1. Ring frame
2. Two for one twister
3. Yarn winding
4. Speed frame

Options :

- 30169812885. 1
- 30169812886. 2
- 30169812887. 3
- 30169812888. 4

Question Number : 73 Question Id : 3016983241 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the spinning process, a precisely predetermined quantity of short fibers are eliminated in _____.

1. Comber
2. Draw frame
3. Speed frame
4. Carding

Options :

- 30169812889. 1
- 30169812890. 2
- 30169812891. 3
- 30169812892. 4

Question Number : 74 Question Id : 3016983242 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The main objective of the ginning process is _____.

1. Separation of seeds from cotton fibers
2. Opening and cleaning
3. Trash removal
4. Parallelization of fibers

Options :

- 30169812893. 1
- 30169812894. 2
- 30169812895. 3
- 30169812896. 4

Question Number : 75 Question Id : 3016983243 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In a ring bobbin, the actual yarn weight is 75 grams with count 30 tex, calculate the length of the yarn in meters.

1. 7500 meters

2. 250 meters

3. 25 meters

4. 2500 meters

Options :

30169812897. 1

30169812898. 2

30169812899. 3

30169812900. 4