

National Testing Agency

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Textile Engineering

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Textile Engineering

Section Id : 432449368
Section Number : 1
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Mandatory or Optional : Mandatory
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Maximum Instruction Time : 0
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Sub-Section Id : 432449770
Question Shuffling Allowed : Yes
Is Section Default? : No

**Question Number : 1 Question Id : 43244927803 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

The major constituent of cotton fibre is _____.

- (1) hemicellulose
- (2) cellulose
- (3) lignin
- (4) pectins

Options :

432449109601. 1
432449109602. 2
432449109603. 3
432449109604. 4

**Question Number : 2 Question Id : 43244927804 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

The acrylic fibre is manufactured by wet spinning process rather than melt spinning process due to _____ of acrylic polymer.

- (1) high melt viscosity
- (2) poor thermal resistance
- (3) low melt viscosity
- (4) high resistance to heat

Options :

- 432449109605. 1
- 432449109606. 2
- 432449109607. 3
- 432449109608. 4

Question Number : 3 Question Id : 43244927805 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The Scanning Electron Microscopy (SEM) gives the _____ features of material.

- (1) internal
- (2) molecular level
- (3) surface
- (4) atomic level

Options :

- 432449109609. 1
- 432449109610. 2
- 432449109611. 3
- 432449109612. 4

Question Number : 4 Question Id : 43244927806 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The glass transition temperature of polyethylene polymer is low in comparison with that of polypropylene fibre because of _____ molecular chain of polyethylene.

- (1) asymmetric
- (2) atactic
- (3) symmetric
- (4) rigid

Options :

- 432449109613. 1
- 432449109614. 2
- 432449109615. 3
- 432449109616. 4

Question Number : 5 Question Id : 43244927807 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The polyester (PET) fibre spun by high speed spinning technology shows high crystalline orientation but low birefringence due to _____.

- (1) oriented crystalline and amorphous regions
- (2) oriented crystalline but unoriented amorphous regions
- (3) unoriented crystalline but oriented amorphous regions
- (4) Unoriented crystalline and amorphous regions

Options :

- 432449109617. 1

432449109618. 2
432449109619. 3
432449109620. 4

Question Number : 6 Question Id : 43244927808 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The main objective of drawing of synthetic fibre is to impart the molecular _____ along the fibre axis.

- (1) crystallinity
- (2) orientation
- (3) elongation
- (4) randomness

Options :

432449109621. 1
432449109622. 2
432449109623. 3
432449109624. 4

Question Number : 7 Question Id : 43244927809 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

On mercerization, the strength and moisture absorption capacity of cotton fibre increases. The reason for increase is _____.

- (1) decrease in orientation and decrease in amorphous region
- (2) increase in orientation and decrease in amorphous region
- (3) increase in orientation and increase in amorphous region
- (4) decrease in orientation and increase in amorphous region

Options :

432449109625. 1
432449109626. 2
432449109627. 3
432449109628. 4

Question Number : 8 Question Id : 43244927810 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The glass marbles are subjected to melting process at the temperature of _____ before feeding to spinneret for its spinning.

- (1) 538° C
- (2) 697° C
- (3) 832° C
- (4) 1371° C

Options :

432449109629. 1
432449109630. 2
432449109631. 3
432449109632. 4

Question Number : 9 Question Id : 43244927811 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The primary purpose of ginning process is to _____.

- (1) blend the fibres
- (2) remove short fibres
- (3) separate fibres from seeds
- (4) generate the neps

Options :

- 432449109633. 1
- 432449109634. 2
- 432449109635. 3
- 432449109636. 4

Question Number : 10 Question Id : 43244927812 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The chute feed system is beneficial over the formation of lap due to _____.

- (1) effective trash removal
- (2) direct feeding of fibres to carding
- (3) blending of fibres
- (4) breakage of fibres

Options :

- 432449109637. 1
- 432449109638. 2
- 432449109639. 3
- 432449109640. 4

Question Number : 11 Question Id : 43244927813 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the draw frame, the number of sliver ends to be fed to the machine are limited due to _____ in the mass variation of sliver coming out from the draw frame.

- (1) decrease
- (2) increase
- (3) unchanged
- (4) none of the options given

Options :

- 432449109641. 1
- 432449109642. 2
- 432449109643. 3
- 432449109644. 4

Question Number : 12 Question Id : 43244927814 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The principle of yarn formation in compact spinning system is _____.

- (1) plying of yarn
- (2) use of an air vortex
- (3) high speed rotating spinning chamber
- (4) pneumatic condensing of fibres before twisting

Options :

- 432449109645. 1
- 432449109646. 2
- 432449109647. 3

Question Number : 13 Question Id : 43244927815 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The speed of rotor in the open end spinning system influences the _____ in the yarn.

- (1) fibre breakage
- (2) hooks removal
- (3) fibre configuration and twist level
- (4) fibre wrapping

Options :

- 432449109649. 1
- 432449109650. 2
- 432449109651. 3
- 432449109652. 4

Question Number : 14 Question Id : 43244927816 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the idealized helical geometry of twisted filament yarn, which assumption is wrong ?

- (1) yarn is assumed to be circular in cross-section
- (2) centre fibre is straight and the fibre in subsequent layers assume helical path of same radius
- (3) yarn contains large number of fibres
- (4) fibres migrate from their original position

Options :

- 432449109653. 1
- 432449109654. 2
- 432449109655. 3
- 432449109656. 4

Question Number : 15 Question Id : 43244927817 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the yarn winding, when the wind per double traverse become whole number _____ fault occurs in the end package.

- (1) stitching
- (2) patterning
- (3) bulging
- (4) hard package

Options :

- 432449109657. 1
- 432449109658. 2
- 432449109659. 3
- 432449109660. 4

Question Number : 16 Question Id : 43244927818 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The shedding mechanism that can individually control each warp end, is called as _____ shedding.

- (1) tappet
- (2) dobby
- (3) negative
- (4) jacquard

Options :

- 432449109661. 1
- 432449109662. 2
- 432449109663. 3
- 432449109664. 4

Question Number : 17 Question Id : 43244927819 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the warp knitting machine the formation of loops is due to _____ motion of guides.

- (1) rotating
- (2) swinging and shogging
- (3) negative
- (4) vertical

Options :

- 432449109665. 1
- 432449109666. 2
- 432449109667. 3
- 432449109668. 4

Question Number : 18 Question Id : 43244927820 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The multiple weft insertion mechanism is used in _____ loom.

- (1) rapier
- (2) air jet
- (3) projectile
- (4) multiphase

Options :

- 432449109669. 1
- 432449109670. 2
- 432449109671. 3
- 432449109672. 4

Question Number : 19 Question Id : 43244927821 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

A weavers beam has 2000 warp ends of 20 tex and 1000 metres warp length, calculate the actual weight of the warp ends.

- (1) 50 kg
- (2) 30 kg
- (3) 40 kg
- (4) 60 kg

Options :

- 432449109673. 1
- 432449109674. 2

432449109675. 3

432449109676. 4

Question Number : 20 Question Id : 43244927822 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The spun bonded non woven fabrics are mainly manufactured by _____ process.

- (1) melt spinning
- (2) carded web formation
- (3) wet spinning
- (4) air laid web formation

Options :

432449109677. 1

432449109678. 2

432449109679. 3

432449109680. 4

Question Number : 21 Question Id : 43244927823 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the ravelled strip strength test of measurement of fabric strength, the dimensions of specimen between the jaws are _____.

- (1) 22 cm × 6 cm
- (2) 18 cm × 4 cm
- (3) 20 cm × 5 cm
- (4) 25 cm × 7 cm

Options :

432449109681. 1

432449109682. 2

432449109683. 3

432449109684. 4

Question Number : 22 Question Id : 43244927824 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The main reason for generation of hairy yarn in the twisting, zone of ring frame is _____.

- (1) rear end of fibre is not gripped
- (2) both the ends of fibre are not gripped
- (3) leading end of the fibre is not gripped
- (4) both the ends of fibre are gripped

Options :

432449109685. 1

432449109686. 2

432449109687. 3

432449109688. 4

Question Number : 23 Question Id : 43244927825 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the KAWABATA method of evaluation of fabric hand, the low stress bending property is given by _____ module.

- (1) KESFB₁
- (2) KESFB₂
- (3) KESFB₃
- (4) KESFB₄

Options :

- 432449109689. 1
- 432449109690. 2
- 432449109691. 3
- 432449109692. 4

Question Number : 24 Question Id : 43244927826 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The irregularity developed in the yarn, due to the random arrangement of fibres is called as the _____.

- (1) index of irregularity
- (2) periodic irregularity
- (3) limit irregularity
- (4) quasiperiodic irregularity

Options :

- 432449109693. 1
- 432449109694. 2
- 432449109695. 3
- 432449109696. 4

Question Number : 25 Question Id : 43244927827 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The 100 metre skein of cotton yarn weighs 2.5 grams, calculate its tex number :

- (1) 2.5
- (2) 250
- (3) 25
- (4) 0.25

Options :

- 432449109697. 1
- 432449109698. 2
- 432449109699. 3
- 432449109700. 4

Question Number : 26 Question Id : 43244927828 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The HTHP (High Temperature High Pressure) dyeing of polyester is carried out at the temperature of _____ for effective dye penetration.

- (1) 70°C
- (2) 80°C
- (3) 130°C
- (4) 50°C

Options :

- 432449109701. 1

432449109702. 2
432449109703. 3
432449109704. 4

Question Number : 27 Question Id : 43244927829 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The surface of the fabric is made smooth and lustrous by using the singeing process, in which the _____ takes place.

- (1) breakage of fibres
- (2) removal of fabric defects
- (3) burning of protruding fibres
- (4) improving the abrasion resistance

Options :

432449109705. 1
432449109706. 2
432449109707. 3
432449109708. 4

Question Number : 28 Question Id : 43244927830 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The bleaching of cotton fibres is carried out by _____bleaching agent.

- (1) Sodium hydroxide
- (2) Hydrogen peroxide
- (3) Potassium chloride
- (4) Sodium chloride

Options :

432449109709. 1
432449109710. 2
432449109711. 3
432449109712. 4

Question Number : 29 Question Id : 43244927831 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The water repellency of fabric can be improved by application of the _____ finishes.

- (1) silicones and fluorocarbons
- (2) sodium lauryl sulphate
- (3) fatty acids
- (4) alcohol ethoxylates

Options :

432449109713. 1
432449109714. 2
432449109715. 3
432449109716. 4

Question Number : 30 Question Id : 43244927832 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The acid dyes are mostly used for dyeing of _____.

- (1) cotton
- (2) polyester
- (3) jute
- (4) wool and Silk

Options :

432449109717. 1
432449109718. 2
432449109719. 3
432449109720. 4

Question Number : 31 Question Id : 43244927833 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Given below are two statements : one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A) : Polyester fabric possesses wash and wear characteristic.

Reason (R) : Polyester exhibits high crease recovery and poor moisture absorption.

In the light of the above statements, choose the **most appropriate answer** from the options given below :

- (1) Both **(A)** and **(R)** are correct and **(R)** is the correct explanation of **(A)**
- (2) Both **(A)** and **(R)** are correct but **(R)** is **not** the correct explanation of **(A)**
- (3) **(A)** is correct but **(R)** is not correct
- (4) **(A)** is not correct but **(R)** is correct

Options :

432449109721. 1
432449109722. 2
432449109723. 3
432449109724. 4

Question Number : 32 Question Id : 43244927834 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Given below are two statements : one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A) : The glass transition temperature of Nylon 6 decreases on absorption of moisture.

Reason (R) : Nylon 6 fibre shows partial dissolution on absorption of moisture.

In the light of the above statements, choose the **most appropriate answer** from the options given below :

- (1) Both **(A)** and **(R)** are correct and **(R)** is the correct explanation of **(A)**
- (2) Both **(A)** and **(R)** are correct but **(R)** is **not** the correct explanation of **(A)**
- (3) **(A)** is correct but **(R)** is not correct
- (4) **(A)** is not correct but **(R)** is correct

Options :

432449109725. 1
432449109726. 2
432449109727. 3
432449109728. 4

Question Number : 33 Question Id : 43244927835 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Given below are two statements : one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A) : As spun polyester fibre gives almost zero value of birefringence.

Reason (R) : As spun polyester fibre is highly oriented.

In the light of the above statements, choose the **most appropriate answer** from the options given below :

- (1) Both **(A)** and **(R)** are correct and **(R)** is the correct explanation of **(A)**
- (2) Both **(A)** and **(R)** are correct but **(R)** is **not** the correct explanation of **(A)**
- (3) **(A)** is correct but **(R)** is not correct
- (4) **(A)** is not correct but **(R)** is correct

Options :

432449109729. 1

432449109730. 2

432449109731. 3

432449109732. 4

Question Number : 34 Question Id : 43244927836 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Given below are two statements : one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A) : The yarn strength depends on the level of twist given in the final stage of ring spinning.

Reason (R) : Twist helps in binding the fibres through lateral pressure exerted by outer layers of fibres on the fibres in the core.

In the light of the above statements, choose the **most appropriate answer** from the options given below :

- (1) Both **(A)** and **(R)** are correct and **(R)** is the correct explanation of **(A)**
- (2) Both **(A)** and **(R)** are correct but **(R)** is **not** the correct explanation of **(A)**
- (3) **(A)** is correct but **(R)** is not correct
- (4) **(A)** is not correct but **(R)** is correct

Options :

432449109733. 1

432449109734. 2

432449109735. 3

432449109736. 4

Question Number : 35 Question Id : 43244927837 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Given below are two statements : one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A) : The configuration and orientation of fibres in a yarn decides the uniformity of twisted yarn.

Reason (R) : The proper drafting in different stages of spinning changes the configuration and orientation of fibres.

In the light of the above statements, choose the **most appropriate answer** from the options given below :

- (1) Both (A) and (R) are correct and (R) is the correct explanation of (A)
- (2) Both (A) and (R) are correct but (R) is **not** the correct explanation of (A)
- (3) (A) is correct but (R) is not correct
- (4) (A) is not correct but (R) is correct

Options :

432449109737. 1

432449109738. 2

432449109739. 3

432449109740. 4

Question Number : 36 Question Id : 43244927838 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Given below are two statements : one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A) : The single thread tensile strength tester works on pendulum lever principle.

Reason (R) : The force acting on the specimen is directly proportional to the sine of the angle through which the pendulum is lifted from its vertical rest position.

In the light of the above statements, choose the **most appropriate answer** from the options given below :

- (1) Both (A) and (R) are correct and (R) is the correct explanation of (A)
- (2) Both (A) and (R) are correct but (R) is **not** the correct explanation of (A)
- (3) (A) is correct but (R) is not correct
- (4) (A) is not correct but (R) is correct

Options :

432449109741. 1

432449109742. 2

432449109743. 3

432449109744. 4

Question Number : 37 Question Id : 43244927839 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Given below are two statements : one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A) : Latch needles are self sufficient, no extra element is required for hook closure.

Reason (R) : When the needle moves up and down, the formed loop opens and closes the latch.

In the light of the above statements, choose the **most appropriate answer** from the options given below :

- (1) Both **(A)** and **(R)** are correct and **(R)** is the correct explanation of **(A)**
- (2) Both **(A)** and **(R)** are correct but **(R)** is **not** the correct explanation of **(A)**
- (3) **(A)** is correct but **(R)** is not correct
- (4) **(A)** is not correct but **(R)** is correct

Options :

- 432449109745. 1
- 432449109746. 2
- 432449109747. 3
- 432449109748. 4

Question Number : 38 Question Id : 43244927840 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Given below are two statements : one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A) : The uneven dyeing leads to the poor appearance in case of cotton fabric.

Reason (R) : The mature cotton fibres poses the problems in uniform dyeing.

In the light of the above statements, choose the **most appropriate answer** from the options given below :

- (1) Both **(A)** and **(R)** are correct and **(R)** is the correct explanation of **(A)**
- (2) Both **(A)** and **(R)** are correct but **(R)** is **not** the correct explanation of **(A)**
- (3) **(A)** is correct but **(R)** is not correct
- (4) **(A)** is not correct but **(R)** is correct

Options :

- 432449109749. 1
- 432449109750. 2
- 432449109751. 3
- 432449109752. 4

Question Number : 39 Question Id : 43244927841 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Given below are two statements : one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A) : Polyester does not require desizing before dyeing.

Reason (R) : Polyester contains natural waxes and pectins.

In the light of the above statements, choose the **most appropriate answer** from the options given below :

- (1) Both **(A)** and **(R)** are correct and **(R)** is the correct explanation of **(A)**
- (2) Both **(A)** and **(R)** are correct but **(R)** is **not** the correct explanation of **(A)**
- (3) **(A)** is correct but **(R)** is not correct
- (4) **(A)** is not correct but **(R)** is correct

Options :

- 432449109753. 1

432449109754. 2

432449109755. 3

432449109756. 4

Question Number : 40 Question Id : 43244927842 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the draw texturising machine, the passage of yarn is :

- A. primary heater
- B. secondary heater
- C. winding unit
- D. creel
- E. friction unit

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

- (1) A, E, D, C, B
- (2) D, A, E, B, C
- (3) E, D, B, A, C
- (4) B, E, A, D, C

Options :

432449109757. 1

432449109758. 2

432449109759. 3

432449109760. 4

Question Number : 41 Question Id : 43244927843 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The sequence of processes involved in the chemical processing is :

- A. scouring
- B. finishing
- C. dyeing
- D. desizing
- E. bleaching

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

- (1) D, A, E, B, C
- (2) D, A, E, C, B
- (3) D, A, C, B, E
- (4) A, B, C, D, E

Options :

432449109761. 1

432449109762. 2

432449109763. 3

432449109764. 4

Question Number : 42 Question Id : 43244927844 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Melt spinning involves the continuous process for the multi-filament yarn manufacturing follows the sequence as :

- A. melting of chips
- B. quenching
- C. extrusion of melt
- D. drying of chips
- E. winding on the bobbin

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

- (1) D, C, A, B, E
- (2) D, A, E, C, B
- (3) D, A, C, E, B
- (4) D, A, C, B, E

Options :

- 432449109765. 1
- 432449109766. 2
- 432449109767. 3
- 432449109768. 4

Question Number : 43 Question Id : 43244927845 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The sequence of warp preparation for weaving is :

- A. warping
- B. sizing
- C. winding
- D. drawing and denting in
- E. weaving

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

- (1) C, A, B, D, E
- (2) C, A, D, B, E
- (3) C, D, A, B, E
- (4) C, E, D, A, B

Options :

- 432449109769. 1
- 432449109770. 2
- 432449109771. 3
- 432449109772. 4

Question Number : 44 Question Id : 43244927846 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The major parts of the sizing machine are arranged in the sequence as :

- A. drying cylinder
- B. beaming unit
- C. creel
- D. splitting rods
- E. size Box

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

- (1) A, C, E, B, D
- (2) D, B, A, E, C
- (3) C, E, A, D, B
- (4) E, C, A, B, D

Options :

- 432449109773. 1
- 432449109774. 2
- 432449109775. 3
- 432449109776. 4

Question Number : 45 Question Id : 43244927847 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the circular weft knitting, the knitting cycle of latch needle is :

- A. loop formation and pulling
- B. yarn feeding
- C. latch opening
- D. needle reaches to the clearing height
- E. casting off

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

- (1) C, D, B, E, A
- (2) C, D, B, A, E
- (3) C, D, E, B, A
- (4) A, B, C, D, E

Options :

- 432449109777. 1
- 432449109778. 2
- 432449109779. 3
- 432449109780. 4

Question Number : 46 Question Id : 43244927848 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The process flow of non-woven fabric manufacturing is :

- A. web laying
- B. fibre preparation
- C. mechanical bonding
- D. web formation
- E. finishing

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

- (1) A, B, C, D, E
- (2) B, D, A, E, C
- (3) B, D, C, A, E
- (4) B, D, A, C, E

Options :

- 432449109781. 1
- 432449109782. 2
- 432449109783. 3
- 432449109784. 4

Question Number : 47 Question Id : 43244927849 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Arrange the following weaves according to increasing number of heald frames required.

- A. jacquard design
- B. 3/1 regular twill
- C. honey comb weave
- D. plain weave
- E. 5-shaft satin

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

- (1) D, B, E, C, A
- (2) D, B, C, E, A
- (3) D, B, A, C, E
- (4) A, B, C, D, E

Options :

- 432449109785. 1
- 432449109786. 2
- 432449109787. 3
- 432449109788. 4

Question Number : 48 Question Id : 43244927850 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The sequence of machines for flow of cotton in ring spinning process is :

- A. speed frame
- B. blow Room
- C. carding
- D. draw frame
- E. ring frame

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

- (1) A, B, C, D, E
- (2) A, B, E, C, D
- (3) B, C, A, E, D
- (4) B, C, D, A, E

Options :

- 432449109789. 1
- 432449109790. 2
- 432449109791. 3
- 432449109792. 4

Question Number : 49 Question Id : 43244927851 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

During yarn formation on the ring frame, the cotton material passes through :

- A. back roller
- B. ring bobbin
- C. delivery roller
- D. traveller
- E. lappet guide

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

- (1) A, C, E, B, D
- (2) A, C, E, D, B
- (3) A, C, D, E, B
- (4) A, C, B, D, E

Options :

- 432449109793. 1
- 432449109794. 2
- 432449109795. 3
- 432449109796. 4

Question Number : 50 Question Id : 43244927852 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The essential requirements of fibre formation are _____.

- A. linear polymer and strong lateral bonds
- B. molecular orientation
- C. three dimensional polymers
- D. crystalline and amorphous regions

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

- (1) A, B, C only
- (2) A, C, D only
- (3) A, B, D only
- (4) B, C, D only

Options :

- 432449109797. 1
- 432449109798. 2
- 432449109799. 3
- 432449109800. 4

Question Number : 51 Question Id : 43244927853 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The primary functions of spin finish are _____.

- A. setting of filaments
- B. lubrication of fibre surface
- C. antistatic action
- D. cohesion of filaments

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

- (1) A, B, C only
- (2) B, C, D only
- (3) A, C, D only
- (4) A, B, D only

Options :

- 432449109801. 1
- 432449109802. 2
- 432449109803. 3
- 432449109804. 4

Question Number : 52 Question Id : 43244927854 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The differential scanning calorimetry gives _____.

- A. crystallization temperature (T_c)
- B. glass transition temperature (T_g)
- C. dyeing temperature (T_{dy})
- D. melting temperature (T_m)

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

- (1) B, C, D only
- (2) A, C, D only
- (3) A, B, D only
- (4) A, B, C only

Options :

432449109805. 1
432449109806. 2
432449109807. 3
432449109808. 4

Question Number : 53 Question Id : 43244927855 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The high volume instrument gives _____.

- A. span length and bundle strength
- B. micronaire value and maturity ratio
- C. colour of cotton
- D. honeydew in cotton

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

- (1) A, B, C only
- (2) A, C, D only
- (3) A, B, D only
- (4) B, C, D only

Options :

432449109809. 1
432449109810. 2
432449109811. 3
432449109812. 4

Question Number : 54 Question Id : 43244927856 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The transmission of moisture from body to atmosphere depends on _____.

- A. body exertion rate
- B. environmental humidity and temperature
- C. clothing parameters
- D. human psychology

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

- (1) B, C, D only
- (2) A, B, D only
- (3) A, C, D only
- (4) A, B, C only

Options :

432449109813. 1
432449109814. 2
432449109815. 3
432449109816. 4

Question Number : 55 Question Id : 43244927857 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The abrasion resistance of fabric is affected by _____.

- A. fabric length
- B. fabric cover factor
- C. fabric weave
- D. yarn crimp

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

- (1) A, B, C only
- (2) A, C, D only
- (3) B, C, D only
- (4) A, B, D only

Options :

- 432449109817. 1
- 432449109818. 2
- 432449109819. 3
- 432449109820. 4

Question Number : 56 Question Id : 43244927858 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

What are the factors affecting the air permeability of fabric ?

- A. weave
- B. yarn twist
- C. yarn strength
- D. cover factor

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

- (1) A, B, C only
- (2) A, B, D only
- (3) A, C, D only
- (4) B, C, D only

Options :

- 432449109821. 1
- 432449109822. 2
- 432449109823. 3
- 432449109824. 4

Question Number : 57 Question Id : 43244927859 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The amplitude of drafting wave depends on _____.

- A. draft
- B. hank number
- C. settings of drafting rollers
- D. immature fibres

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

- (1) A, B, D only
- (2) A, C, D only
- (3) B, C, D only
- (4) A, B, C only

Options :

432449109825. 1
432449109826. 2
432449109827. 3
432449109828. 4

Question Number : 58 Question Id : 43244927860 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In comparison with woven fabric, the knitted fabric with same GSM is :

- A. stiffer and has harsh feel
- B. more stretchable
- C. more thicker
- D. more porous

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

- (1) B, C, D only
- (2) A, B, C only
- (3) A, B, D only
- (4) A, C, D only

Options :

432449109829. 1
432449109830. 2
432449109831. 3
432449109832. 4

Question Number : 59 Question Id : 43244927861 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The nonwoven fabrics manufactured using different bonding techniques are :

- A. mechanical bonding
- B. covalent bonding
- C. chemical bonding
- D. thermal bonding

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

- (1) A, B, D only
- (2) A, B, C only
- (3) B, C, D only
- (4) A, C, D only

Options :

432449109833. 1
432449109834. 2
432449109835. 3
432449109836. 4

Question Number : 60 Question Id : 43244927862 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the knitted fabric manufacturing, the types of needles used are :

- A. latch needle
- B. sewing needle
- C. compound needle
- D. bearded needle

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

- (1) A, B, C only
- (2) A, C, D only
- (3) B, C, D only
- (4) B, A, D only

Options :

- 432449109837. 1
- 432449109838. 2
- 432449109839. 3
- 432449109840. 4

Question Number : 61 Question Id : 43244927863 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The most commonly used fabric manufacturing methods are :

- A. splicing
- B. weaving
- C. knitting
- D. non-woven

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

- (1) A, B, C only
- (2) A, B, D only
- (3) C, A, D only
- (4) B, C, D only

Options :

- 432449109841. 1
- 432449109842. 2
- 432449109843. 3
- 432449109844. 4

Question Number : 62 Question Id : 43244927864 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

The dye exhaustion of direct dyeing with cotton depends on :

- A. electrolytic concentration
- B. temperature of dye bath
- C. PH of dye bath
- D. oxidizing agents

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

- (1) B, C, D only
- (2) A, C, D only
- (3) A, B, D only
- (4) A, B, C only

Options :

- 432449109845. 1

432449109846. 2
432449109847. 3
432449109848. 4

Question Number : 63 Question Id : 43244927865 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

In the pigment printing _____.

- A. binder forms film on the surface
- B. pigment has no affinity for cotton
- C. steaming is mandatory for fixation
- D. curing is essential

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

- (1) A, B, C only
- (2) A, C, D only
- (3) A, B, D only
- (4) B, C, D only

Options :

432449109849. 1
432449109850. 2
432449109851. 3
432449109852. 4

Question Number : 64 Question Id : 43244927866 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I (Fibre)	List - II (Process)
A. Viscose	I. Dry jet wet spinning
B. Acetate	II. Wet spinning
C. Nylon-6	III. Dry spinning
D. Kevlar	IV. Melt spinning

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

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

Options :

432449109853. 1
432449109854. 2
432449109855. 3
432449109856. 4

Question Number : 65 Question Id : 43244927867 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I

(Analytical technique)

- A. X-ray diffraction (XRD)
- B. Transmission Electron Microscopy (TEM)
- C. Differential Scanning Calorimetry (DSC)
- D. Birefringence

List - II

(Structural parameters)

- I. Transitions in polymers
- II. Crystallinity, crystallite size, crystalline orientation
- III. Crystalline and amorphous orientation
- IV. Internal structure

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

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

Options :

- 432449109857. 1
- 432449109858. 2
- 432449109859. 3
- 432449109860. 4

Question Number : 66 Question Id : 43244927868 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I

(Fibre)

- A. Viscose
- B. Silk
- C. Wool
- D. Polynosic

List - II

(Speciality)

- I. Dimensional stability
- II. Scales on the surface
- III. Artificial silk
- IV. Directional lustre

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

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

Options :

- 432449109861. 1
- 432449109862. 2
- 432449109863. 3
- 432449109864. 4

Question Number : 67 Question Id : 43244927869 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I (Spinning System)		List - II (Production Speed (range)(meters/min))	
A.	Ring	I.	400-500
B.	Rotor	II.	150-450
C.	Air jet	III.	20-30
D.	Friction	IV.	100-300

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

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

Options :

- 432449109865. 1
- 432449109866. 2
- 432449109867. 3
- 432449109868. 4

Question Number : 68 Question Id : 43244927870 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I (Process)		List - II (End product)	
A.	Blow Room	I.	Roving
B.	Carding	II.	Ring Yarn
C.	Speed Frame	III.	Lap
D.	Ring Frame	IV.	Sliver

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

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

Options :

- 432449109869. 1
- 432449109870. 2
- 432449109871. 3
- 432449109872. 4

Question Number : 69 Question Id : 43244927871 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I (Type of loom)	List - II (Number of heald shafts)
A. Hand loom	I. 8 - 16
B. Tappet loom (automatic)	II. Upto 32
C. Dobby loom	III. Individual warp control
D. Electronic Jacquard loom	IV. 2 - 4

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

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

Options :

- 432449109873. 1
- 432449109874. 2
- 432449109875. 3
- 432449109876. 4

Question Number : 70 Question Id : 43244927872 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I (Weaving machine)	List - II (Weft insertion rate (meters/min))
A. Shuttle loom	I. 2000
B. Rapier loom	II. 300
C. Projectile weaving machine	III. 1000
D. Waterjet weaving machine	IV. 1600

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

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

Options :

- 432449109877. 1
- 432449109878. 2
- 432449109879. 3
- 432449109880. 4

Question Number : 71 Question Id : 43244927873 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I (Fabric manufacturing method)	List - II (Application)
A. Weaving	I. Face mask
B. Knitting	II. Shoe lace
C. Non-woven	III. Socks
D. Braiding	IV. Bed sheet

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

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

Options :

- 432449109881. 1
- 432449109882. 2
- 432449109883. 3
- 432449109884. 4

Question Number : 72 Question Id : 43244927874 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I (Type of sample)	List - II (Sampling Technique)
A. Cotton bale	I. Tong sampling
B. Cotton sliver	II. Core sampling
C. Length biased sample	III. Zoning
D. Wool bale with impurity	IV. Squaring

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

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

Options :

- 432449109885. 1
- 432449109886. 2
- 432449109887. 3
- 432449109888. 4

Question Number : 73 Question Id : 43244927875 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I

(Fibre property)

- A. Fibre length
- B. Fibre fineness
- C. Fibre maturity
- D. Fibre strength

List - II

(Method used)

- I. Stelometer
- II. Differential dyeing method
- III. Gravimetric method
- IV. Digital fibro graph

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

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

Options :

- 432449109889. 1
- 432449109890. 2
- 432449109891. 3
- 432449109892. 4

Question Number : 74 Question Id : 43244927876 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I

- A. Knitted Fabric
- B. Crease Recovery
- C. Stiffness
- D. Water repellency

List - II

- I. Contact Angle
- II. Bursting strength test
- III. Dimensional stability
- IV. Bending modulus

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

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

Options :

- 432449109893. 1
- 432449109894. 2
- 432449109895. 3
- 432449109896. 4

Question Number : 75 Question Id : 43244927877 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Match List - I with List - II.

List - I (Process)	List - II (Function)
A. Desizing	I. Fixation of colours
B. Bleaching	II. Transfer of designs
C. Dyeing	III. Size removal from the fabric
D. Printing	IV. Removal of colouring matters

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

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

Options :

- 432449109897. 1
- 432449109898. 2
- 432449109899. 3
- 432449109900. 4