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TSPSC PL

**Previous Year Paper
(Textile Technology)
08 Sept, 2023 Shift 2**



Print

TCSiON CAE

Notations :

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

Question Paper Name :	PC222022TEXTILETECHNOLOGYPL2220 08th September 2023 Shift 2
Subject Name :	PC222022 TEXTILE TECHNOLOGY PL2220
Actual Answer Key :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

TEXTILE TECHNOLOGY

Section type :	Online
Section Negative Marks :	0
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null

Question Number : 1 Question Id : 630680357358 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

_____ is obtained from the fibrous mass between the outer shell and the husk of the coconut.

Options :

- 1. ✓ Coir
- 2. ✖ Kapok
- 3. ✖ Cotton
- 4. ✖ Jute

Question Number : 2 Question Id : 630680357359 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Linen is the name given to the fabric that originates from which of the following fibres?

Options :

1. ✖ Hemp
2. ✔ Flax
3. ✖ Jute
4. ✖ Ramie

Question Number : 3 Question Id : 630680357360 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Rayon was the first manufactured cellulosic fibre. The developers of rayon were trying to produce artificial _____, when Rayon was produced.

Options :

1. ✖ cotton
2. ✖ wool
3. ✔ silk
4. ✖ coir

Question Number : 4 Question Id : 630680357361 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Weighting of silk is a common practice. When the yarn is prepared for weaving, it is boiled in a soap solution to remove the natural gum or sericin. What percent of its original weight does silk loose in this case?

Options :

1. ✖ 60 to 69
2. ✖ 45 to 50
3. ✖ 5 to 7
4. ✔ 20 to 30

Question Number : 5 Question Id : 630680357362 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is NOT a regenerated fibre?

Options :

1. ✔ Pina
2. ✖ Viscose rayon
3. ✖ Acetate rayon
4. ✖ Lyocell

Question Number : 6 Question Id : 630680357363 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following fibre is famous with the name of Lycra?

Options :

1. ✖ Olefin
2. ✔ Spandex
3. ✖ Acrylic
4. ✖ Polyester

Question Number : 7 Question Id : 630680357364 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

_____ is the process of forcing the spinning solution through the openings in a spinneret to form a fibre.

Options :

1. ✖ Absorbency
2. ✖ Elongation
3. ✔ Extrusion
4. ✖ Abrasion

Question Number : 8 Question Id : 630680357365 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement regarding natural fibres is correct?

- I. Natural fibres contain dust and impurities.
- II. It is possible to change the structure of the fibre.

Options :

1. ✔ Only I
2. ✖ Only II
3. ✖ Both I and II
4. ✖ Neither I nor II

Question Number : 9 Question Id : 630680357366 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement regarding Nylon is correct?

- I. Nylon is transparent and can be made bright or dull.
- II. It has good elasticity, good recovery from creasing and wrinkling.
- III. Nylon melts away from flame.

Options :

1. ✖ Only I and II

- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✔ I, II and III

Question Number : 10 Question Id : 630680357367 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0
Match the following.

Type		Fibre	
1.	Cellulosic	I.	Polyester
2.	Animal	II.	Cotton
3.	Synthetic	III.	Silk

- Options :
- 1. ✔ 1 – II, 2 – III, 3 – I
 - 2. ✖ 1 – II, 2 – I, 3 – III
 - 3. ✖ 1 – I, 2 – II, 3 – III
 - 4. ✖ 1 – I, 2 – III, 3 – II

Question Number : 11 Question Id : 630680357368 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0
Which of the following pairs regarding the fibres is correct?

- I. Staple fibres : Limited in length
- II. Filament fibres : Continuous length

- Options :
- 1. ✖ Only I
 - 2. ✖ Only II
 - 3. ✔ Both I and II
 - 4. ✖ Neither I nor II

Question Number : 12 Question Id : 630680357369 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0
Which of the following pair of type - fibre is NOT correct?

- Options :
- 1. ✖ Cellulosic - Jute
 - 2. ✖ Animal - Wool
 - 3. ✖ Synthetic - Nylon

4. ✖ Mineral - Spandex

Question Number : 13 Question Id : 630680357370 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following steps of fabric production from first to last.

I. Fibre

II. Yarn

III. Fabric

Options :

1. ✔ I, II, III

2. ✖ I, III, II

3. ✖ III, I, II

4. ✖ II, III, I

Question Number : 14 Question Id : 630680357371 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following steps of production of wool from first to last.

I. Processing of wool

II. Grading and sorting of wool

III. Shearing of wool

Options :

1. ✖ II, I, III

2. ✔ III, I, II

3. ✖ III, II, I

4. ✖ II, III, I

Question Number : 15 Question Id : 630680357372 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

_____ is the action of reducing tufts of entangled fibres into a filmy web of individual fibres by working the tufts between closely spaced surfaces clothed with opposing sharp points.

Options :

1. ✖ Combing

2. ✖ Opening

3. ✖ Drawing

4. ✔ Carding

Question Number : 16 Question Id : 630680357373 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

The amount of twist inserted is controlled by the ratio of the _____.

Options :

1. ✖ front roller surface speed to the spindle speed
2. ✔ spindle speed to the front roller surface speed
3. ✖ spindle speed to the can surface speed
4. ✖ can surface speed to the spindle speed

Question Number : 17 Question Id : 630680357374 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is the correct formula for noil percentage?

Options :

1. ✖ $[(\text{mass of noil} - \text{comb silver}) \times 100] / (\text{mass of noil})$
2. ✖ $[(\text{mass of noil} + \text{comb silver}) \times 100] / (\text{mass of noil})$
3. ✔ $(\text{mass of noil} \times 100) / (\text{mass of noil} + \text{comb silver})$
4. ✖ $(\text{mass of noil} \times 100) / (\text{mass of noil} - \text{comb silver})$

Question Number : 18 Question Id : 630680357375 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

When the spinning packages are full the machines must be stopped while they are removed and replaced by empty packages.

The above statement represents which of the following process?

Options :

1. ✖ Carding
2. ✖ Drawing
3. ✖ Combing
4. ✔ Doffing

Question Number : 19 Question Id : 630680357376 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

What is the unit of twist multiplier?

Options :

1. ✖ $\text{m}^1 \text{tex}^{1/2}$
2. ✔ $\text{m}^{-1} \text{tex}^{1/2}$
3. ✖ $\text{m}^{-1} \text{tex}^2$

4. ✖ $m^1 \text{ tex}^2$

Question Number : 20 Question Id : 630680357377 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

The number of wraps of yarn wound within a traverse length is called the wind. The traverse ratio equals _____ the wind, which is equal to the number of bobbin rotations in one traverse cycle.

Options :

1. ✖ five times

2. ✖ four times

3. ✔ twice

4. ✖ thrice

Question Number : 21 Question Id : 630680357378 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

This spinning system consists of a _____ high-speed roller drafting unit, two compressed-air twisting jets arranged in tandem, a pair of take-up rollers, and a yarn package build unit.

Options :

1. ✖ 5-over-5

2. ✖ 5-over-3

3. ✖ 3-over-5

4. ✔ 3-over-3

Question Number : 22 Question Id : 630680357379 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct?

I. Doubling is the term applied to the operation involving the doubling and roller drafting of slivers.

II. Roller drafting is the process of attenuating the count of a material using a combination of pairs of rollers.

Options :

1. ✖ Only I

2. ✔ Only II

3. ✖ Both I and II

4. ✖ Neither I nor II

Question Number : 23 Question Id : 630680357380 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement regarding combing is correct?

- I. The process used to remove the short fibre and remnant impurities is called combing.
- II. Combing makes possible the spinning of yarns of fine counts with low irregularities and a cleaner appearance.

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 24 Question Id : 630680357381 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding the twist levels?

- I. The twist level in a yarn is the number of turns of twist per unit length.
- II. The twist level is also known as degree of twist.
- III. In empirical units, it is referred to as turns per metre.

Options :

- 1. ✔ Only I and II
- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✖ I, II and III

Question Number : 25 Question Id : 630680357382 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following is a type of basic carding action?

- I. Point-to-point
- II. Point-to-back
- III. Back-to-back

Options :

- 1. ✖ Only I and II
- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✔ I, II and III

Question Number : 26 Question Id : 630680357383 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Match the following operations of blow room with their definitions.

Operation	Definition	
1.Opening	I.	Fibres of different varieties are uniformly mixed
2.Cleaning	II.	First operation in the blow room
3.Blending	III.	To eliminate dust, dirt, broken leaf, seed particles, grass and other foreign matters from the fibres

Options :

- 1. ✖ 1 – I, 2 – II, 3 – III
- 2. ✖ 1 – I, 2 – III, 3 – II
- 3. ✔ 1 – II, 2 – III, 3 – I
- 4. ✖ 1 – II, 2 – I, 3 – III

Question Number : 27 Question Id : 630680357384 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In Carded Yarn Manufacturing which of the following pair regarding the opening and cleaning stage is correct?

- I. Input material – Raw cotton
- II. Output material – Yarn

Options :

- 1. ✔ Only I
- 2. ✖ Only II
- 3. ✖ Both I and II
- 4. ✖ Neither I nor II

Question Number : 28 Question Id : 630680357385 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following steps of combed yarn manufacturing from first to last.

- P. Opening & cleaning
- Q. Lap Formation
- R. Pre comber drawing

Options :

- 1. ✖ P, Q, R
- 2. ✔ P, R, Q
- 3. ✖ R, P, Q
- 4. ✖ Q, P, R

Question Number : 29 Question Id : 630680357386 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is the correct order of steps from first to last in rectilinear combing?

P. Feeding a fringe of several slivers to a rotating cylinder or drum covered with pins.

Q. Removing, with the pins on the rotating cylinder, the impurities and fibres not held within a nip line.

R. Releasing the remaining fibres in the nip and simultaneously inserting a row of pins across the width of fringe.

Options :

1. ☒ P, Q, R

2. ☐ R, Q, P

3. ☐ R, P, Q

4. ☐ Q, R, P

Question Number : 30 Question Id : 630680357387 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

The _____ is used to apply the size liquor to the yarn.

Options :

1. ☐ size shredder

2. ☒ size box

3. ☐ size bottle

4. ☐ size floor

Question Number : 31 Question Id : 630680357388 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

With jacquard shedding, the maximum number of ends/cm is determined by the harness. There is no possibility of weaving a fabric with more ends/cm than the harness has. It is possible, however, to weave fabrics with fewer ends/cm by _____.

Options :

1. ☒ casting-out

2. ☐ card-cutting

3. ☐ hook-raising

4. ☐ hook-lowering

Question Number : 32 Question Id : 630680357389 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

The tappet-and-cone conventional picking mechanism is known as _____ mechanism.

Options :

1. ☐ bowl-and-shoe

- 2. ✓ cam-and-cone
- 3. ✗ bowl-and- cone
- 4. ✗ cam-and- shoe

Question Number : 33 Question Id : 630680357390 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

A _____ or special plain-weave selvedge is absolutely necessary in weaving warp-rib or matt fabrics, since the ends in the ground fabric do not change position after each pick.

Options :

- 1. ✓ catch cord
- 2. ✗ catch wire
- 3. ✗ round cord
- 4. ✗ round wire

Question Number : 34 Question Id : 630680357391 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

"A blast of air would seem to be an effective way of inserting the filling, but to get enough traction on the filling yarn it is necessary to use very high air velocities." Which type of loom is being talked about here?

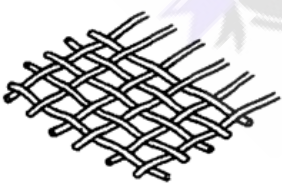
Options :

- 1. ✗ Water-jet Loom
- 2. ✓ Air-jet Loom
- 3. ✗ Projectile Loom
- 4. ✗ Gripper Shuttle Loom

Question Number : 35 Question Id : 630680357392 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which type of the selvedge is being shown in the diagram given below?



Options :

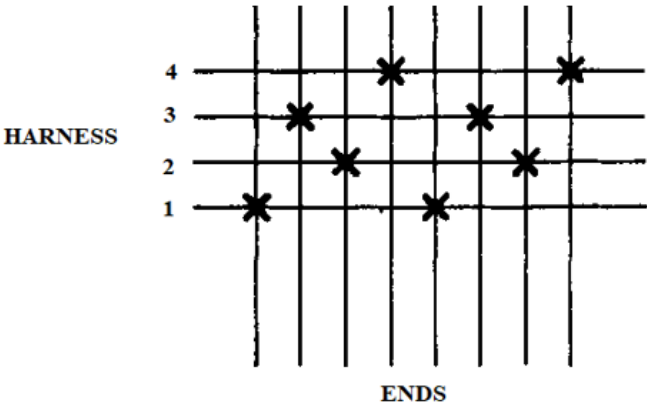
- 1. ✗ Normal bound selvedge
- 2. ✗ Tucked-in selvedge
- 3. ✓ Fringe selvedge

4. ✖ Leno selvage

Question Number : 36 Question Id : 630680357393 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following drawing-in draft is shown in the image below?



Options :

- 1. ✔ Skip draft
- 2. ✖ Pointed draft
- 3. ✖ Straight draft
- 4. ✖ Reed draft

Question Number : 37 Question Id : 630680357394 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding sizing?

- I. The primary purpose of warp sizing is to produce a warp which will suffer the least damage in weaving.
- II. Warp sizing is also known as slashing.

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 38 Question Id : 630680357395 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding dobby shedding?

- I. In negative dobby shedding, the shafts are raised by the dobby and lowered by some form of spring under motion.
- II. In positive dobby shedding, the dobby machine both raises and lowers the shafts.

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 39 Question Id : 630680357396 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding Jacquard shedding?

- I. The single-lift, single-cylinder jacquard generally forms a bottom-closed shed.
- II. The double-lift, single-cylinder jacquard has two sets of knives.
- III. In double-lift, double-cylinder machine jacquard each harness cord and each end in the repeat are controlled by two needles and two hooks.

Options :

- 1. ✖ Only I and II
- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✔ I, II and III

Question Number : 40 Question Id : 630680357397 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Match the following terms with their definitions.

Term		Definition	
1.	Shedding	I.	Pushing the newly inserted length of weft, known as the pick, into the already woven fabric at a point known as the fell
2.	Picking	II.	Separating the warp threads, which run down the fabric, into two layers to form a tunnel
3.	Beating-up	III.	Passing the weft thread, which traverses across the fabric, through the shed




Options :

- 1. ✖ 1 – III, 2 – II, 3 – I
- 2. ✔ 1 – II, 2 – III, 3 – I
- 3. ✖ 1 – I, 2 – III, 3 – II
- 4. ✖ 1 – I, 2 – II, 3 – III

Question Number : 41 Question Id : 630680357398 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following harness ties with their diagrams.

Type of harness ties		Diagram	
1.	Border tie	I.	
2.	Straight tie	II.	
3.	Pointed tie	III.	

Options :

- 1. ✖ 1 – II, 2 – III, 3 – I
- 2. ✖ 1 – II, 2 – I, 3 – III
- 3. ✔ 1 – III, 2 – I, 3 – II
- 4. ✖ 1 – III, 2 – II, 3 – I

Question Number : 42 Question Id : 630680357399 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following pair regarding mechanism of a loom is correct?

- I. Warp control : take-up
- II. Cloth control : let-off

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✖ Both I and II
- 4. ✔ Neither I nor II

Question Number : 43 Question Id : 630680357400 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following steps in warp preparation from first to last.

- P. Winding from spinner's package to cones
- Q. Winding from cones to warp
- R. Application of size and lubricant to warp
- S. Drawing-in or tying-in

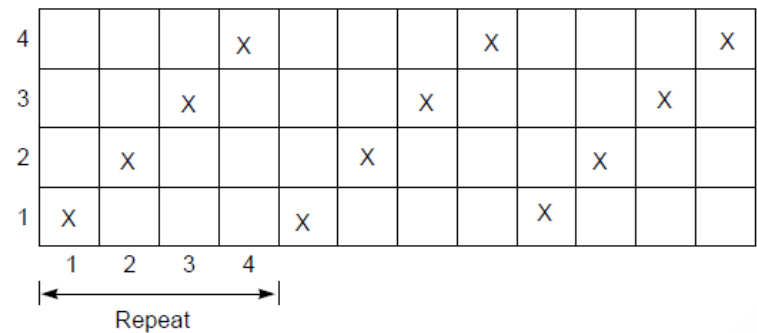
Options :

- 1. ✖ P, R, S, Q

- 2. ✖ P, S, R, Q
- 3. ✔ P, Q, R, S
- 4. ✖ P, R, Q, S

Question Number : 44 Question Id : 630680357401 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which type of draft plan is shown by the figure given below?



Options :

- 1. ✔ Straight draft
- 2. ✖ Pointed draft
- 3. ✖ Broken draft
- 4. ✖ Grouped draft

Question Number : 45 Question Id : 630680357402 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

In plain weaves, the threads interlace on alternate order of _____.

Options :

- 1. ✖ 2 up and 1 down
- 2. ✔ 1 up and 1 down
- 3. ✖ 1 up and 2 down
- 4. ✖ 2 up and 2 down

Question Number : 46 Question Id : 630680357403 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following is NOT a factor to determine the prominence of twill weaves?

Options :

- 1. ✔ Length of the yarn
- 2. ✖ Nature of the weave

- 3. ✖ Nature of the yarn
- 4. ✖ The warp and weft threads/inch

Question Number : 47 Question Id : 630680357404 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Which of he following is NOT a characteristic feature of a Brighton honey comb weave?

Options :

- 1. ✖ Constructed on straight drafts only
- 2. ✔ Repeat size is a multiple of 7
- 3. ✖ Non-reversible cloths in which face appears different from back side of the cloth
- 4. ✖ A single diagonal line crosses a double diagonal line

Question Number : 48 Question Id : 630680357405 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Consider the give specification:

Warp : 14s
Weft : 20s
Ends/inch : 86
Picks/inch : 78

The given specifications are suitable for which of the following Bedford cords?

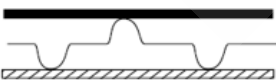
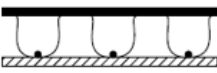
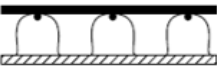
Options :

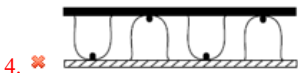
- 1. ✖ Milan dress fabrics
- 2. ✖ Worsted dress fabrics
- 3. ✔ London cord
- 4. ✖ Paris cord

Question Number : 49 Question Id : 630680357406 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Which of the following is NOT an example of double cloth constructed on the principle of self thread stitching?

Options :

- 1. ✔ 
- 2. ✖ 
- 3. ✖ 



Question Number : 50 Question Id : 630680357407 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding weave representation?

- I. Warp overlap is in which warp is above weft.
- II. Weft overlap in which weft is above warp.

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 51 Question Id : 630680357408 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding the canvas method of weave representation?

- I. A squared paper is employed, on which each vertical space represents a warp thread and each horizontal space represents a weft thread.
- II. Each square therefore indicates an intersection of warp and weft thread.
- III. The blank square indicates that the weft thread is placed over the warp i.e. weft overlap.

Options :

- 1. ✖ Only I and II
- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✔ I, II and III

Question Number : 52 Question Id : 630680357409 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Match the following in respect to angle of twills.

Value of angle of twill		Description	
1.	More than 45 degrees	I.	When the warp ends/inch is equal to the weft picks/inch
2.	45 degrees	II.	When the weft picks/inch exceeds the warp ends/inch
3.	Less than 45 degrees	III.	When the warp ends/inch exceeds the weft picks/inch

Options :

- 1. ✖ 1 – I, 2 – III, 3 – II

- 2. ✖ 1 – II, 2 – III, 3 – I
- 3. ✖ 1 – II, 2 – I, 3 – III
- 4. ✔ 1 – III, 2 – I, 3 – II

Question Number : 53 Question Id : 630680357410 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0
Consider the following with their values of warp and weft threads/inch. Arrange them in order of their increasing twill prominence.

- P – 48
- Q – 68

R – 56

Options :

- 1. ✔ P, R, Q
- 2. ✖ P, Q, R
- 3. ✖ R, Q, P
- 4. ✖ R, P, Q

Question Number : 54 Question Id : 630680357411 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Arrange the following steps of construction of backed fabrics from first to last.

- P. The back weave is inserted on back threads only using the normal and reversed convention.
- Q. The face and back threads are marked out on design paper.
- R. The face weave is inserted on the face threads only using normal convention for warp backing and reverse convention for weft backing.

Options :

- 1. ✖ Q, P, R
- 2. ✔ Q, R, P
- 3. ✖ R, P, Q
- 4. ✖ R, Q, P

Question Number : 55 Question Id : 630680357412 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Arrange the following types of satins on the basis of their increasing value of their suitable move numbers for their constructions.

- P. 5 end
- Q. 10 end
- R. 12 end

Options :

1. ✖ R, P, Q
2. ✖ R, Q, P
3. ✔ P, Q, R
4. ✖ P, R, Q

Question Number : 56 Question Id : 630680357413 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

“These dyes are derived from a formulation of Benzedrine salts. These are water soluble dyes and least expensive one. These dyes are easy to apply and can be applied directly on the fabric, without any pretreatment.”

Which type of dyes are being talked about here?

Options :

1. ✖ Disperse Dyes
2. ✖ Reactive Dyes
3. ✖ Sulfur Dyes
4. ✔ Direct Dyes

Question Number : 57 Question Id : 630680357414 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

_____ are generally used to get the smooth and lump free print paste.

Options :

1. ✔ Wetting agents
2. ✖ Thickeners
3. ✖ Solvents
4. ✖ Catalyst

Question Number : 58 Question Id : 630680357415 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In Raschel machines, chain links are usually numbered in _____ numbers, generally with _____ links per course.

Options :

1. ✖ odd, two
2. ✔ even, two
3. ✖ odd, one
4. ✖ even, one

Question Number : 59 Question Id : 630680357416 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Various chemicals are used to give the fabric a soil release finish. Which of the following chemical used is semi durable in nature?

Options :

1. ✓ Wax and metallic salt
2. ✗ Silicone
3. ✗ Pyridinium
4. ✗ Fluoro carbon

Question Number : 60 Question Id : 630680357417 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which type of calendaring produces wood grain design on the face side of the fabric?

Options :

1. ✗ Embossed Calendaring
2. ✓ Moiré Calendaring
3. ✗ Cire Calendaring
4. ✗ Friction Calendaring

Question Number : 61 Question Id : 630680357418 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In _____ prints, fabrics are generally dyed in a solid color, prior to printing, the design is applied by screen or roller with a chemical (a reducing agent). This reducing agent will destroy the colour in the printed portion and white background will appear in the printed area.

Options :

1. ✗ Flock
2. ✗ Pigment
3. ✗ Resist
4. ✓ Discharge

Question Number : 62 Question Id : 630680357419 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following chemical used in producing water proof finish of fabric is NOT apply by pad, dry, bake method?

Options :

1. ✓ Paraffin Wax
2. ✗ Pyridinum Salt
3. ✗ Reactive Silicon Resins

4. ✖ Fluoro Carbon Emulsion

Question Number : 63 Question Id : 630680357420 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding the burn-out prints?

I. This type of printing is normally carried out on polyester/cotton or polyester/Viscose blends.

II. In this type of printing acid liberating substance (Ammonium Chloride, Aluminium Sulphate) are used.

Options :

1. ✖ Only I

2. ✖ Only II

3. ✔ Both I and II

4. ✖ Neither I nor II

Question Number : 64 Question Id : 630680357421 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding the dyeing processes?

I. Batch dyeing is also called exhaust dyeing method, because the dye slowly migrating from a dye bath to the material being dyed over a relatively longer period of time.

II. In the continuous dyeing process, textile substrates are continuously fed into a dyeing range.

Options :

1. ✖ Only I

2. ✖ Only II

3. ✔ Both I and II

4. ✖ Neither I nor II

Question Number : 65 Question Id : 630680357422 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding the bleaching process?

I. The main objective of the bleaching process is removal of natural coloring matter.

II. Bleaching is generally carried out by oxidative process.

III. After bleaching, the fabric is thoroughly rinsed with slight amount of basic solution to avoid formulation of insoluble salts of silicates.

Options :

1. ✖ Only I and II

2. ✖ Only II and III

- 3. ✖ Only I and III
- 4. ✔ I, II and III

Question Number : 66 Question Id : 630680357423 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following property of cotton fabric or yarn is improved by mercerization?

- I. Strength would be increased to 15-25.
- II. Enhanced lustre.
- III. Lesser affinity to water, dyes and other chemical finishes.

Options :

- 1. ✔ Only I and II
- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✖ I, II and III

Question Number : 67 Question Id : 630680357424 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following.

Process		Description	
1.	Singeing	I.	To provide strength to the yarn
2.	De-sizing	II.	Removal of protruding fibres from both sides of fabric.
3.	Scouring	III.	Cleaning treatment in which oil, waxes and residual sizes are removed from the fabric by the chemicals

Options :

- 1. ✖ 1 – I, 2 – III, 3 – II
- 2. ✖ 1 – I, 2 – II, 3 – III
- 3. ✔ 1 – II, 2 – I, 3 – III
- 4. ✖ 1 – III, 2 – I, 3 – II

Question Number : 68 Question Id : 630680357425 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following pairs regarding the hardness of water is correct?

- I. Temporary hardness – caused by Biocarbonates
- II. Permanent hardness – caused by sulphates and chlorides

Options :

1. ✖ Only I
2. ✖ Only II
3. ✔ Both I and II
4. ✖ Neither I nor II

Question Number : 69 Question Id : 630680357426 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following steps of precured process of durable press from first to last.

- P. Cure the fabric in curing chamber to form cross-linking between molecular chains.
- Q. Treat the fabric with resin and dry.
- R. Cut and sew the products and press

Options :

1. ✖ P, R, Q
2. ✖ P, Q, R
3. ✔ Q, R, P
4. ✖ Q, P, R

Question Number : 70 Question Id : 630680357427 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following stage of dying from first to last.

- P. Migration of the dye from the solution to the interface accompanied by adsorption on the surface of the fiber.
- Q. Diffusion of the dye from the surface towards the centre of the fibre.
- R. The anchoring of dye molecules by covalent or hydrogen bonds, or other forces of a physical nature.

Options :

1. ✖ P, R, Q
2. ✔ P, Q, R
3. ✖ Q, P, R
4. ✖ Q, R, P

Question Number : 71 Question Id : 630680357428 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following stitching machine is generally used edge neatening and seam closing?

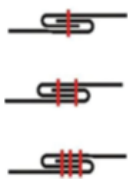
Options :

1. ✖ Lock stitch machine
2. ✖ Chain stitch machine

- 3. ☒ Over-edge machine
- 4. ☐ Button sewing machine

Question Number : 72 Question Id : 630680357429 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Which of the following seams is shown in the figure given below?



Options :

- 1. ☐ Superimposed seam
- 2. ☐ Bound seam
- 3. ☐ Flat seam
- 4. ☒ Lapped seam

Question Number : 73 Question Id : 630680357430 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

As per the British standards what is the class of Multi-thread chain stitch?

Options :

- 1. ☒ Class 400
- 2. ☐ Class 500
- 3. ☐ Class 600
- 4. ☐ Class 300

Question Number : 74 Question Id : 630680357431 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

The garment components have to be cut accurately and precisely as per the shape of the pattern to facilitate assembling process and for better fitting of garments.

Which of the following objective of cutting is being talked about in the statements given above?

Options :

- 1. ☒ Accuracy of Cut
- 2. ☐ Clean Edges
- 3. ☐ Support of the Lay
- 4. ☐ Consistent Cutting

Question Number : 75 Question Id : 630680357432 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In Plasma cutting system, cutting is accomplished through a high velocity jet of high temperature ionised gas (_____).

Options :

1. ✖ Chlorine
2. ✔ Argon
3. ✖ Sulphur
4. ✖ Krypton

Question Number : 76 Question Id : 630680357433 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is NOT a constraint in making a shortest marker?

Options :

1. ✖ Fabric characteristics and the design requirement in the finished garment
2. ✖ Cutting quality
3. ✖ Production planning
4. ✔ Marking pen

Question Number : 77 Question Id : 630680357434 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In this marker, only one half of the pattern set is generally used for symmetric garments and the fabric is folded lengthwise on the table after spreading it in face-to-face mode. Subsequent to the cutting operation, one pattern could produce both sets of pattern pieces, that is, right and left garment panel when choosing a pair of successive plies.

Which type of marker is being talked in the above statements?

Options :

1. ✔ Closed marker
2. ✖ Blocking and relaying
3. ✖ Section marker
4. ✖ Closed-on-open marker

Question Number : 78 Question Id : 630680357435 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding body measurements?

- I. While taking the measurements, the person should stand straight in front of a mirror.
- II. Body measurements should be taken with tape, without keeping it too tight or loose with the body.

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 79 Question Id : 630680357436 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct fabric characteristics that are of significance for the apparel manufacturer?

- I. Style characteristics generally change, which has an effect on the emotional appeal the fabric imparts to the consumer.
- II. Hand characteristics are the transforms in the fabric surface with hand manoeuvring which apply tensile, compression and moulding forces on the fabric.
- III. Visual characteristics are the changes in colour values when either the fabric or light is moved.

Options :

- 1. ✖ Only I and II
- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✔ I, II and III

Question Number : 80 Question Id : 630680357437 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Match the following in context of fabric properties to be considered for making garments.

Property		Description	
1.	Abrasive strength	I.	Measure of rubbing action necessary to disintegrate the fabric.
2.	Laundry ability	II.	Measure of washings that disintegrate the fabric.
3.	Tearing strength	III.	Measure of torque necessary to part the yarns perpendicular to the torque vector plane.

Options :

- 1. ✔ 1 – I, 2 – II, 3 – III
- 2. ✖ 1 – I, 2 – III, 3 – II
- 3. ✖ 1 – II, 2 – I, 3 – III
- 4. ✖ 1 – III, 2 – II, 3 – I

Question Number : 81 Question Id : 630680357438 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following pair regarding pattern grading is correct?

- I. Three-dimensional grading : Commonly used for tight fitting and knitted garments.
- II. Cardinal points : The points where the grading increments are applied

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 82 Question Id : 630680357439 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following in the increasing order of their marker efficiency.

- P. Area of patterns in the marker plan = 40, Total area of the marker = 150
- Q. Area of patterns in the marker plan = 60, Total area of the marker = 200
- R. Area of patterns in the marker plan = 90, Total area of the marker = 270

Options :

- 1. ✖ P, R, Q
- 2. ✔ P, Q, R
- 3. ✖ Q, R, P
- 4. ✖ Q, P, R

Question Number : 83 Question Id : 630680357440 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following components of a sewing machine from bottom to top.

- P. Thread take up
- Q. Presser foot lifter
- R. Bobbin compartment

Options :

- 1. ✖ Q, P, R
- 2. ✖ P, R, Q
- 3. ✔ R, Q, P
- 4. ✖ R, P, Q

Question Number : 84 Question Id : 630680357441 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following formula is correct regarding the mass of fibres?

Options :

1. ✓ $\text{Mass of the fibre} = \text{Mass of the dry fibre} + \text{mass of the water}$
2. ✗ $\text{Mass of the fibre} = \text{Mass of the dry fibre} \times \text{mass of the water}$
3. ✗ $\text{Mass of the fibre} = \text{Mass of the dry fibre} - \text{mass of the water}$
4. ✗ $\text{Mass of the fibre} = \text{Mass of the dry fibre} \div \text{mass of the water}$

Question Number : 85 Question Id : 630680357442 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is the correct formula for the calculation of regain in textile fibre?

(R = regain, a = weight of sample with moisture, b = weight of sample after drying)

Options :

1. ✗ $R = [100(a - b)]/a$
2. ✓ $R = [100(a - b)]/b$
3. ✗ $R = [100(a + b)]/b$
4. ✗ $R = [100(a + b)]/a$

Question Number : 86 Question Id : 630680357443 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is the correct expression of twist angle θ ?

(where D = diameter of yarn and L = length of yarn)

Options :

1. ✗ $\tan \theta = \pi/(DL)$
2. ✗ $\tan \theta = \pi DL$
3. ✓ $\tan \theta = (\pi D)/L$
4. ✗ $\tan \theta = (\pi L)/D$

Question Number : 87 Question Id : 630680357444 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

_____ is the term used to describe the way a fabric hangs under its own weight. It has an important bearing on how good a garment looks in use.

Options :

1. ✗ Handle
2. ✓ Drape
3. ✗ Stiffness

4. ✖ Shear

Question Number : 88 Question Id : 630680357445 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

The Pressley tester is an instrument for measuring the strength of a bundle of cotton fibres. Before they are mounted in the instrument the cotton fibres are combed parallel using a hand comb into a flat bundle about _____ wide.

Options :

- 1. ✔ 6mm
- 2. ✖ 60 mm
- 3. ✖ 600 mm
- 4. ✖ 6000 mm

Question Number : 89 Question Id : 630680357446 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

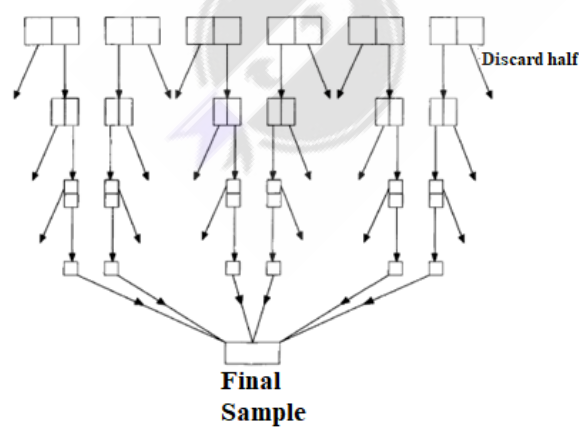
The _____ tester consists of a light beam shining on a small diameter photoreceptor opposite it. The yarn under test is run between the light and the receptor at a constant speed. As a hair passes between the light and receptor the light beam is momentarily broken and an electronic circuit counts the interruption as one hair.

Options :

- 1. ✖ WRONZ
- 2. ✖ Uster tester
- 3. ✖ Zweigle G565
- 4. ✔ Shirley yarn hairiness

Question Number : 90 Question Id : 630680357447 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Which of the following sampling method is represented by the diagram given below?



Options :

- 1. ✔ Zoning
- 2. ✖ Core sampling

- 3. ✖ Random draw sampling
- 4. ✖ Cut square sampling

Question Number : 91 Question Id : 630680357448 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding fibre fineness?

- I. The finer the fibre, the finer is the yarn that can be spun from it.
- II. The most important effect of fibre fineness is on the fibre stiffness.

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 92 Question Id : 630680357449 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding the maturity of fibres?

- I. Because immature fibres have thinner walls, they are more stiff than the mature fibres.
- II. Because immature fibres have thinner walls, they are weaker than the mature fibres.

Options :

- 1. ✖ Only I
- 2. ✔ Only II
- 3. ✖ Both I and II
- 4. ✖ Neither I nor II

Question Number : 93 Question Id : 630680357450 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding the wear comfort of clothing?

- I. Thermophysiological wear comfort concerns the heat and moisture transport properties of clothing.
- II. Skin sensational wear comfort concerns the mechanical contact of the fabric with the skin.

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 94 Question Id : 630680357451 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding fabric sampling?

- I. Fabric samples are always taken from the warp and weft separately.
- II. The warp direction should be marked on each sample before it is cut out.
- III. No two specimens should contain the same set of warp or weft threads.

Options :

- 1. ✖ Only I and II
- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✔ I, II and III

Question Number : 95 Question Id : 630680357452 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct water repellency of fibres?

- I. A waterproof fabric is one that is coated or impregnated to form a continuous barrier to the passage of water.
- II. Showerproof fabrics are ones that have been treated in a such a way as to delay the absorption and penetration of water.
- III. Showerproofing of fabrics is often achieved by coating them with a thin film of a hydrophobic compound such as a silicone.

Options :

- 1. ✖ Only I and II
- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✔ I, II and III

Question Number : 96 Question Id : 630680357453 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following ways of deriving mean length of fibre with the letter used to represent them.

Method		Letter Used	
1.	Unbiased mean length	I.	B
2.	Cross-section biased mean length	II.	L
3.	Mass-biased mean length	III.	H

Options :

- 1. ✖ 1 – II, 2 – I, 3 – III
- 2. ✔ 1 – II, 2 – III, 3 – I

- 3. ✖ 1 – III, 2 – II, 3 – I
- 4. ✖ 1 – III, 2 – I, 3 – II

Question Number : 97 Question Id : 630680357454 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Some fibres lose strength when they absorb water and some increase in strength when they absorb water. Which of the following pair regarding fibres and effect on strength when water is absorbed is correct?

- I. Wool – Strength increases
- II. Cotton – Strength decreases

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✖ Both I and II
- 4. ✔ Neither I nor II

Question Number : 98 Question Id : 630680357455 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Arrange the following textile material in terms of the value of their standard regain. (from lowest to highest)

- P. Nylon
- Q. Cotton yarn
- R. Silk

Options :

- 1. ✔ P, Q, R
- 2. ✖ P, R, Q
- 3. ✖ Q, P, R
- 4. ✖ Q, R, P

Question Number : 99 Question Id : 630680357456 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

A _____ is a loop of fibre that is pulled from a fabric when it is in contact with a rough object.

Options :

- 1. ✖ pucker
- 2. ✔ snag
- 3. ✖ bow
- 4. ✖ skew

Question Number : 100 Question Id : 630680357457 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Graph used to study how a process changes over time. Comparing current data to historical control limits leads to conclusions about whether the process variation is consistent (in control) or is unpredictable (out of control, affected by special causes of variation).

Which of the following quality control tool is being talked about in the lines given above?

Options :

1. ✖ Pareto diagram
2. ✖ Scatter diagram
3. ✔ Control charts
4. ✖ Histogram

Question Number : 101 Question Id : 630680357458 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Point Kaizen approach is also known as _____.

Options :

1. ✖ Kaizen Thurst
2. ✖ Kaizen Blast
3. ✖ Kaizen Burst
4. ✔ Kaizen Blitz

Question Number : 102 Question Id : 630680357459 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

_____ kaizen describes the situation where all the points of the different planes are connected to one another, and no point is disjointed from any other.

Options :

1. ✔ Cube
2. ✖ Line
3. ✖ Plane
4. ✖ Triangle

Question Number : 103 Question Id : 630680357460 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

What does Seiketsu mean in 5S technology?

Options :

1. ✖ Sort
2. ✔ Standardize
3. ✖ Set in order

4. ✖ Sustain

Question Number : 104 Question Id : 630680357461 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is NOT a benefit of Sort in the 5S technology?

Options :

1. ✖ Useful floor area is saved.
2. ✖ Searching time for tools, materials and papers is reduced.
3. ✖ Better flow of work.
4. ✔ Increases cost of inventory.

Question Number : 105 Question Id : 630680357462 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is also known as Ishikawa or fishbone diagrams?

Options :

1. ✔ Cause-and-effect diagram
2. ✖ Check sheet
3. ✖ Control chart
4. ✖ Histogram

Question Number : 106 Question Id : 630680357463 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is a benefit of benchmarking in six sigma?

I. Creating a culture that values continuous improvement to achieve excellence.

II. Prioritizing the areas that need improvement

Options :

1. ✖ Only I
2. ✖ Only II
3. ✔ Both I and II
4. ✖ Neither I nor II

Question Number : 107 Question Id : 630680357464 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding six sigma?

- I. Six Sigma champions are high-level individuals who understand Six Sigma and are committed to its success.
- II. Six Sigma Black Belts work to extract actionable knowledge from an organization’s information warehouse.
- III. Green Belts are Six Sigma project leaders capable of forming and facilitating Six Sigma teams and managing Six Sigma projects from concept to completion.

Options :

- 1. ✖ Only I and II
- 2. ✖ Only I and III
- 3. ✖ Only II and III
- 4. ✔ I, II and III

Question Number : 108 Question Id : 630680357465 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following values with their standard deviations.

Values		Standard deviation	
1.	5, 7, 9, 11, 13	I.	8
2.	2, 6, 10, 14, 18	II.	32
3.	1, 4, 7, 10, 13	III.	18

Options :

- 1. ✖ 1 – II, 2 – I, 3 – III
- 2. ✔ 1 – I, 2 – II, 3 – III
- 3. ✖ 1 – I, 2 – III, 3 – II
- 4. ✖ 1 – III, 2 – I, 3 – II

Question Number : 109 Question Id : 630680357466 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following pair is correct regarding yarn diameter?

- I. Yarn which is one-sixth as thick as 25’s – 900’s yarn
- II. Yarn which is one-fourth as thick as 36’s – 600’s yarn

Options :

- 1. ✔ Only I
- 2. ✖ Only II
- 3. ✖ Both I and II
- 4. ✖ Neither I nor II

Question Number : 110 Question Id : 630680357467 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Arrange the following bales in the increasing order of their bale densities (kg/foot³).

P. Size of bale = 50 inch × 20 inch × 25 inch, Weight of bale = 225 kg

Q. Size of bale = 25 inch × 40 inch × 30 inch, Weight of bale = 250 kg

R. Size of bale = 40 inch × 20 inch × 20 inch, Weight of bale = 180 kg

Options :

1. ✓ Q, P, R

2. ✗ Q, R, P

3. ✗ P, Q, R

4. ✗ P, R, Q

Question Number : 111 Question Id : 630680357468 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Arrange the following in the increasing order of their conditioned weight.

P. Dry weight = 20 kg, Regain = 20 percent

Q. Dry weight = 30 kg, Regain = 10 percent

R. Dry weight = 25 kg, Regain = 15 percent

Options :

1. ✗ Q, R, P

2. ✓ P, R, Q

3. ✗ P, Q, R

4. ✗ R, Q, P

Question Number : 112 Question Id : 630680357469 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Arrange the following in the increasing order of cleaning efficiency of carding.

P. Trash in lap = 5 kg, Trash in sliver = 1 kg

Q. Trash in lap = 4 kg, Trash in sliver = 0.5 kg

R. Trash in lap = 8 kg, Trash in sliver = 2 kg

Options :

1. ✗ P, R, Q

2. ✗ P, Q, R

3. ✓ R, P, Q

4. ✗ R, Q, P

Question Number : 113 Question Id : 630680357470 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

An operator is carrying out an operation with a SAM (standard allowed minutes) of 0.5 minute. In a shift of 8 hours, he produces 540 pieces. What is the efficiency of the operator?

Options :

1. ✖ 65.75 percent
2. ✔ 56.25 percent
3. ✖ 72.55 percent
4. ✖ 40.25 percent

Question Number : 114 Question Id : 630680357471 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following relation is correct?

Options :

1. ✔ $N \text{ pound per spyndle} = (14400/N) \text{ yards per pound}$
2. ✖ $N \text{ pound per spyndle} = (7200/N) \text{ yards per pound}$
3. ✖ $N \text{ pound per spyndle} = (28800/N) \text{ yards per pound}$
4. ✖ $N \text{ pound per spyndle} = (21600/N) \text{ yards per pound}$

Question Number : 115 Question Id : 630680357472 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Trash percentage in bale cotton is 10g and trash percentage in lap is 6g. What is the cleaning efficiency of blow room line?

Options :

1. ✔ 40
2. ✖ 52
3. ✖ 58
4. ✖ 32

Question Number : 116 Question Id : 630680357473 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Normally, fabric wastage and the buffer value of _____ percent in the fabric consumption is included while calculating the fabric consumption.

Options :

1. ✖ 8 to 12
2. ✔ 0.03 to 0.08
3. ✖ 5 to 10

4. ✖ 50 to 62

Question Number : 117 Question Id : 630680357474 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

A fabric has been knitted from 81-tex yarn with a stitch length of 54 mm. What is the cover factor for this?

Options :

- 1. ✖ 1.33
- 2. ✖ 1.26
- 3. ✔ 1.66
- 4. ✖ 1.36

Question Number : 118 Question Id : 630680357475 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Consider a sizing of wrap of A pounds with B hours down time. Running speed of the machine is C (pounds of wrap per hour). What is the efficiency of this sizing machine?

Options :

- 1. ✖ $(100)/(P+ST)$ percent
- 2. ✖ $(100P)/(P+S)$ percent
- 3. ✔ $(100P)/(P+ST)$ percent
- 4. ✖ $(100P)/(P+T)$ percent

Question Number : 119 Question Id : 630680357476 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

A production line has 40 operators. There are 10 working hours in a day. The output of the production line is 600 garments per day. SAM of the garment produced is 12.25. What is the line efficiency?

Options :

- 1. ✖ 15.25 percent
- 2. ✖ 63.25 percent
- 3. ✖ 52.75 percent
- 4. ✔ 30.625 percent

Question Number : 120 Question Id : 630680357477 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Which of the following is a method for determining the thread consumption in garment manufacture?

- I. Determining the actual amount of thread consumption in a particular length of seam.
- II. Calculating the thread consumption by using stitch formulas.

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 121 Question Id : 630680357478 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Which of the following relation is correct for cone winder?

- I. cone-section diameter × cos (coil angle) = constant
- II. cone-section diameter × sin (coil angle) = constant

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 122 Question Id : 630680357479 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Which of the following is a purpose of interlining in apparel production?

- I. To make sewing easier and to increase throughput.
- II. Maintaining shape and improving appeal of the garment.
- III. Making a functional, easy to wear product.

Options :

- 1. ✖ Only I and II
- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✔ I, II and III

Question Number : 123 Question Id : 630680357480 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Which of the following condition causes seam puckering?

- I. Inherent puckering
- II. Tension puckering
- III. Machine puckering

Options :

- 1. ✖ Only I and II
- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✔ I, II and III

Question Number : 124 Question Id : 630680357481 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Match the following resins used in fusing process with their fusing temperature.

Resins		Fusing temperature	
1.	Ethylene vinyl acid copolymer	I.	130–160°C
2.	High density polyethylene	II.	120–150°C
3.	Polyester	III.	150–180°C

Options :

- 1. ✔ 1 – II, 2 – III, 3 – I
- 2. ✖ 1 – I, 2 – III, 3 – II
- 3. ✖ 1 – III, 2 – II, 3 – I
- 4. ✖ 1 – III, 2 – I, 3 – II

Question Number : 125 Question Id : 630680357482 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following pair regarding pressing of garments is correct?

- I. Under pressing : It is the pressing operation performed on garment components as they are made up.
- II. Top pressing : This refers to the finishing operation, which a garment undergoes after being completely assembled.

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 126 Question Id : 630680357483 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Arrange the following in increasing order of number of layers.

P. Number of ends in wrap = 2400, Bobbins in creel = 200

Q. Number of ends in wrap = 3000, Bobbins in creel = 300

R. Number of ends in wrap = 3600, Bobbins in creel = 180

Options :

- 1. ✖ P, Q, R
- 2. ✖ R, P, Q
- 3. ✔ Q, P, R
- 4. ✖ Q, R, P

Question Number : 127 Question Id : 630680357484 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Arrange the following steps of nonwoven processes from first to last.

P. Fibre preparation

Q. Web formation

R. Bonding

S. Finishing

Options :

- 1. ✖ P, S, R, Q
- 2. ✔ P, Q, R, S
- 3. ✖ P, R, Q, S
- 4. ✖ P, Q, S, R

Question Number : 128 Question Id : 630680357485 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

A _____ is a predominantly horizontal row of needle loops (in an upright fabric as knitted) produced by adjacent needles during the same knitting cycle.

Options :

- 1. ✔ course
- 2. ✖ crane
- 3. ✖ column
- 4. ✖ crate

Question Number : 129 Question Id : 630680357486 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

In warp knitting, tricot lapping or _____ is the simplest of these movements, producing overlaps in alternate wales at alternate courses with only one thread crossing between adjacent wales.

Options :

- 1. ✓ 1×1
- 2. ✗ 2×1
- 3. ✗ 3×1
- 4. ✗ 4×1

Question Number : 130 Question Id : 630680357487 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

The wet process of making nonwoven fabrics involves the use of carding or _____ of fibers.

Options :

- 1. ✗ Stitching
- 2. ✓ Air laying
- 3. ✗ Thermal laying
- 4. ✗ Water jetting

Question Number : 131 Question Id : 630680357488 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Which of the following is NOT a type of chemically bonded nonwoven fabric?

Options :

- 1. ✗ Spunbonded fabrics
- 2. ✓ Stitch bonded fabrics
- 3. ✗ Solution bonded fabrics
- 4. ✗ Power bonded fabrics

Question Number : 132 Question Id : 630680357489 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

In Raschel machines, the fabric is drawn downwards from the needles, almost parallel to the needle bar, at an angle of _____ degrees, by a series of take-down rollers.

Options :

- 1. ✗ 10–50
- 2. ✗ 320–360
- 3. ✓ 120–160
- 4. ✗ 240–280

Question Number : 133 Question Id : 630680357490 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

A knitted fabric is technically _____ when its courses run horizontally and its wales run _____, with the heads of the needle loops facing towards the top of the fabric and the course knitted first situated at the bottom of the fabric.

Options :

1. ✖ upright, horizontally
2. ✖ downright, vertically
3. ✖ downright, horizontally
4. ✔ upright, vertically

Question Number : 134 Question Id : 630680357491 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct?

- I. A pattern row is a horizontal row of needle loops produced by adjacent needles in one needle bed.
- II. A wale is a predominantly vertical column of intermeshed needle loops generally produced by the same needle knitting at successive (not necessarily all) knitting cycles.

Options :

1. ✖ Only I
2. ✖ Only II
3. ✔ Both I and II
4. ✖ Neither I nor II

Question Number : 135 Question Id : 630680357492 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct?

- I. The repeat unit of a stitch is the minimum repeat of intermeshed loops that can be placed adjoining other repeat units in order to build up an unbroken sequence in width and depth.
- II. Stitch length is a length of yarn which includes the needle loop and half the sinker loop on either side of it.

Options :

1. ✖ Only I
2. ✖ Only II
3. ✔ Both I and II
4. ✖ Neither I nor II

Question Number : 136 Question Id : 630680357493 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct?

- I. Generally, the larger the stitch length, the more extensible and lighter the fabric.
- II. Generally, the larger the stitch length, the poorer the cover, opacity and bursting strength.

Options :

- 1. ✖ Only I
- 2. ✖ Only II
- 3. ✔ Both I and II
- 4. ✖ Neither I nor II

Question Number : 137 Question Id : 630680357494 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding the tricot machine?

- I. They have a gauge expressed in needles per inch and chain link numbering 0, 1, 2, 3, 4, etc., generally with three links per course.
- II. In these, fabric is drawn-away towards the batching roller almost at right angles to the needle bar.
- III. The conventional tricot beam arrangement generally restricts the maximum number of beams and guide bars to four.

Options :

- 1. ✖ Only I and II
- 2. ✖ Only II and III
- 3. ✖ Only I and III
- 4. ✔ All I, II and III

Question Number : 138 Question Id : 630680357495 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Arrange the following parts of knitting head of a single jersey machine from top to bottom.

- I. Head plate
- II. Latch needle
- III. Needle-retaining spring

Options :

- 1. ✖ I, II, III
- 2. ✔ II, III, I
- 3. ✖ III, II, I
- 4. ✖ I, III, II

Question Number : 139 Question Id : 630680357496 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

_____ is a process for the stabilisation of synthetic fibres so that they do not shrink on heating.

Options :

- 1. ✓ Heat setting
- 2. ✗ Cropping
- 3. ✗ Raising
- 4. ✗ Calendering

Question Number : 140 Question Id : 630680357497 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is NOT inherently flame-retardant fibre?

Options :

- 1. ✗ Aramid
- 2. ✓ Flame retardant cotton
- 3. ✗ Modacrylic
- 4. ✗ Polybenzimidazole

Question Number : 141 Question Id : 630680357498 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is NOT one of the considerations in selection and design of fabric for filters?

Options :

- 1. ✗ Thermal conditions
- 2. ✗ Chemical conditions
- 3. ✓ Location of filtration plant
- 4. ✗ Filtration requirements

Question Number : 142 Question Id : 630680357499 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is NOT one of the five categories under which geotextiles basically falls?

Options :

- 1. ✗ Woven
- 2. ✗ Heat-bounded nonwoven
- 3. ✗ By fibre/soil mixing
- 4. ✓ By water mixing

Question Number : 143 Question Id : 630680357500 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is NOT a healthcare/hygiene product?

Options :

1. ☒ Wound dressings
2. ☐ Bedding
3. ☐ Clothing
4. ☐ Surgical gowns

Question Number : 144 Question Id : 630680357501 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following fibres used in transportation does NOT have a very good abrasion resistance?

Options :

1. ☐ Nylon 6
2. ☐ Nylon 6.6
3. ☐ Polyester
4. ☒ Acrylic

Question Number : 145 Question Id : 630680357502 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

“The membrane is laminated to the underside of the outer fabric to produce a two-layer system. This method has the disadvantage of producing a rustling, paper-like handle with reduced aesthetic appeal but has the advantage of having very effective protective properties of wind resistance and waterproofing. This method is mainly used for making protective clothing.”

Which technique of membrane incorporation is being talked about in the above paragraph?

Options :

1. ☐ Liner or insert processing
2. ☒ Laminate of membrane and outer fabric
3. ☐ Laminate of membrane and lining fabric
4. ☐ Laminate of outer fabric, membrane and lining

Question Number : 146 Question Id : 630680357503 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the followings statement is correct regarding antimicrobial and antifungal finishes of fibres?

I. Fabric that has been impregnated with a bacteriostat will stop the growth of germs, which eventually die in time.

II. Fungistatic is a chemical that inhibits the growth of fungi.

Options :

1. ☐ Only I
2. ☐ Only II

3. ✓ Both I and II

4. ✗ Neither I nor II

Question Number : 147 Question Id : 630680357504 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct?

I. Braided textiles for composites consist of intertwined two (or more) sets of yarns, one set of yarns being the axial yarns.

II. The braided architecture enables the composite to endure twisting, shearing and impact better than woven fabrics.

Options :

1. ✗ Only I

2. ✗ Only II

3. ✓ Both I and II

4. ✗ Neither I nor II

Question Number : 148 Question Id : 630680357505 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding PTFE in coated textiles?

I. Textile surfaces treated with PTFE are both water repellent and oil repellent.

II. PTFE is found on diverse substrates which range from conveyer belts used in food manufacture to carpets where stain resistance is required.

III. PTFE shows excellent thermal stability and may be used up to a temperature of 250°C.

Options :

1. ✗ Only I and II

2. ✗ Only II and III

3. ✗ Only I and III

4. ✓ I, II and III

Question Number : 149 Question Id : 630680357506 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following pair regarding type of technical textile and its example is correct?

I. Industrial textiles – Filtration Media

II. Geotextiles – Erosion protection textiles

Options :

1. ✗ Only I

2. ✗ Only II

- 3. ✓ Both I and II
- 4. ✖ Neither I nor II

Question Number : 150 Question Id : 630680357507 Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Arrange the following steps of Propane flame retardant treatment from first to last.

- P. Pad the fabric with Proban CC.
- Q. Dry the fabric to a residual moisture content of 12%.
- R. React the fabric with dry ammonia gas.
- S. Oxidise the fabric with hydrogen peroxide.
- T. Wash off and dry the fabric.

Options :

- 1. ✓ P, Q, R, S, T
- 2. ✖ P, Q, T, S, R
- 3. ✖ R, Q, P, S, T
- 4. ✖ P, T, R, S, Q