

Telangana State Council Higher Education

Notations :

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

Subject Name :	Textile Technology
Creation Date :	2024-06-12 13:33:00
Duration :	120
Total Marks :	120
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes
Change Font Color :	No
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Textile Technology

Group Number :	1
Group Id :	38382341
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	120

Mathematics

Section Id :	383823113
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10

Section Marks :	10
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	383823113
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 3838235761 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

λ_1 and λ_2 are two distinct eigen values of a symmetric matrix. X_1 and X_2 are the eigen vectors corresponding to λ_1, λ_2 respectively, then

Options :

1. ✘ $X_1 + X_2 = 0$
2. ✘ $X_1^T X_2 = 1$
3. ✘ $X_1 - X_2 = 0$
4. ✔ $X_1^T X_2 X_1 = X_2^T X_1 X_2$

Question Number : 2 Question Id : 3838235762 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

If the characteristic equation of a 3×3 square matrix A is $ax^3 + bx^2 + cx + d = 0$,
($a \neq 0$) then the Trace of A + det A =

Options :

1. ✘ $\frac{d-b}{a}$
2. ✘ $\frac{b+c+d}{2d}$
3. ✔ $-\frac{(b+d)}{a}$
4. ✘ $-\frac{(a+b)}{d}$

Question Number : 3 Question Id : 3838235763 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Let $f(x) = \begin{cases} h(x), & 0 < x < C \\ -h(-x), & -C < x < 0 \end{cases}$ and $f(x+2C) = f(x) \forall x \in \mathbb{R}$. If the Fourier series of $f(x) = \sum_{n=0}^{\infty} \left(a_n \cos \frac{n\pi x}{C} + b_n \sin \frac{n\pi x}{C} \right)$, then $\sum_{n=1}^{\infty} a_n b_n =$

Options :

1. ✘ $\left(\int_{-C}^C h(x) \cos \frac{n\pi x}{C} dx \right) \left(\int_{-C}^C h(-x) \sin \frac{n\pi x}{C} dx \right)$

2. ✔ $\int_{-C}^C f(x) \cos \frac{n\pi x}{C} dx$

3. ✘ $2 \int_0^C h(x) \sin \frac{n\pi x}{C} dx$

4. ✘ $2 \int_{-C}^C -h(-x) \sin \frac{n\pi x}{C} dx$

Question Number : 4 Question Id : 3838235764 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Consider the statements

- I. If a series of positive terms is not convergent, then it is either divergent or oscillatory.
- II. In an alternating series, if $\lim_{n \rightarrow \infty} |u_n| \neq 0$, then it is convergent.
- III. In a series of positive terms, if $\lim_{n \rightarrow \infty} u_n = 0$, then it may be convergent or divergent.
- IV. If $\sum |u_n|$ is divergent and $\sum u_n$ is convergent, then $\sum u_n$ is conditionally convergent.

Which of the above statement(s) is(are) correct?

Options :

1. ✘ All the statements are correct

2. ✖ Statements I and III are correct
3. ✔ Statements III and IV are correct
4. ✖ Statements II, III and IV are correct

Question Number : 5 Question Id : 3838235765 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Let $\phi(x, y, z) = (x^2 + y^2 + z^2)^{n/2}$ and $f(x, y, z) = (xyz)^{-n/2}$.

Then $\text{div Curl grad } \phi + (\text{Curl grad } f) \bullet \text{grad } \phi =$

Options :

1. ✖ $\frac{n}{2}(x^2 + y^2 + z^2)^{\frac{n+1}{2}} - \frac{n}{2}(xyz)^{\frac{n-1}{2}}$

2. ✖ $\frac{n(n+1)}{2}(x^2 + y^2 + z^2)(xyz)$

3. ✔ 0

4. ✖ $x + y + z$

Question Number : 6 Question Id : 3838235766 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

If $L^{-1}\left(\frac{e^{-\pi s} \cdot s}{s^2 + 4s + 5}\right) = \begin{cases} 0, & t \leq \pi \\ e^{2(\pi-t)}(f(t)), & t > \pi \end{cases}$, then $f\left(\frac{\pi}{2}\right) =$

Options :

1. ✖ 1

2. ✖ -1

3. ✔ 2

4. ✖ -2

Question Number : 7 Question Id : 3838235767 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Particular Integral of $(D^2 - 4D + 4)y = e^x \sin 2x$, $D = \frac{d}{dx}$ is

Options :

1. ✓ $\frac{e^x}{25}(4 \cos 2x - 3 \sin 2x)$

2. ✗ $\frac{e^x}{16}(4 \sin 2x + 3 \cos 2x)$

3. ✗ $\frac{e^x}{25}(\sin 2x - \cos 2x)$

4. ✗ $\frac{e^x}{16}(3 \sin 2x + 4 \cos 2x)$

Question Number : 8 Question Id : 3838235768 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The probability density function of a continuous random variable X is

$$f(X=x) = \begin{cases} x^3, & 0 \leq x \leq 1 \\ (2-x)^3, & 1 \leq x \leq 2 \\ \frac{1}{2}, & 2 \leq x \leq 3 \\ 0, & \text{otherwise} \end{cases} . \text{ Then mean of the random variable is}$$

Options :

1. ✓ $\frac{7}{4}$

2. ✗ $\frac{43}{20}$

3. ✗ $\frac{15}{8}$

4. ✘ $\frac{12}{7}$

Question Number : 9 Question Id : 3838235769 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The coefficient of correlation between x and y is 0.85. If $u = \frac{x+1.5}{12}$ and $v = \frac{y-2.4}{30}$.

Then the correlation coefficient between u and v is

Options :

1. ✘ -0.85

2. ✔ 0.85

3. ✘ $\frac{0.85 - 0.9}{6}$

4. ✘ $\frac{0.85 + 0.9}{15}$

Question Number : 10 Question Id : 3838235770 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

If $f(x)$ is defined on $[a, b]$ and $[a, b]$ is divided into $2n$ equal parts by the points

$x_0 = a < x_1 < x_2 < \dots < x_{2n} = b$. Then by Simpson's $\frac{1}{3}$ rule $\int_a^b f(x) dx =$

Options :

1. ✘ $\frac{b-a}{3n} [f(x_0) + f(x_n) + 4(f(x_1) + f(x_2) + \dots + f(x_n)) + 2(f(x_2) + f(x_3) + \dots + f(x_{n-2}))]$

2. ✘ $\frac{b-a}{6n} [f(x_0) + f(x_n) + 4(f(x_1) + f(x_3) + \dots + f(x_{n-1})) + 2(f(x_2) + f(x_4) + \dots + f(x_{n-2}))]$

3. ✔ $\frac{b-a}{6n} [f(x_0) + f(x_{2n}) + 4(f(x_1) + f(x_3) + \dots + f(x_{2n-1})) + 2(f(x_2) + f(x_4) + \dots + f(x_{2n-2}))]$

$$4. \times \frac{b-a}{3n} [f(x_0) + f(x_{2n}) + 4(f(x_1) + f(x_3) + \dots + f(x_{2n-1})) + 2(f(x_2) + f(x_4) + \dots + f(x_{2n-2}))]$$

Textile Technology

Section Id :	383823114
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	110
Number of Questions to be attempted :	110
Section Marks :	110
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	383823114
Question Shuffling Allowed :	Yes

Question Number : 11 Question Id : 3838235771 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

SERICIN refers to

Options :

1. Cotton

2. Wool

3. Silk

4. Jute

Question Number : 12 Question Id : 3838235772 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

From the following, highest moisture regain can be seen in

Options :

1. Linen

2. ✓ Jute

3. ✗ Silk

4. ✗ Acetate

Question Number : 13 Question Id : 3838235773 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The trilobal cross section of polyester is observed in

Options :

1. ✗ Cotton

2. ✗ Wool

3. ✓ Silk

4. ✗ Jute

Question Number : 14 Question Id : 3838235774 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In which of the following cotton, one finds an apparel use?

Options :

1. ✗ Bt

2. ✗ Cayano Ehtylated

3. ✓ Organic

4. ✗ Carboxy methylated

Question Number : 15 Question Id : 3838235775 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Basalt is

Options :

1. ✘ Manmade fibre
2. ✘ Synthetic fibre
3. ✔ Mineral fibre
4. ✘ Melt Spun fibre

Question Number : 16 Question Id : 3838235776 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The plant used for production of Viscose Rayon is

Options :

1. ✔ Eucalyptus or Neelagiri
2. ✘ Sandalwood
3. ✘ Teak
4. ✘ Maple

Question Number : 17 Question Id : 3838235777 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

For identifying 100 % polyester, which of the following is used as solvent for P/V blends?

Options :

1. ✘ TNT
2. ✔ Di- Ethyl Ether
3. ✘ Di-Ethylene Glycol
4. ✘ Sodium Hydroxide

Question Number : 18 Question Id : 3838235778 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The variety produced only in polyester staple production is

Options :

1. ✓ BDD
2. ✗ TDD
3. ✗ MDD
4. ✗ KDD

Question Number : 19 Question Id : 3838235779 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is preferred as reagent for estimation of spin finish of synthetics in laboratory?

Options :

1. ✗ Trichloro Acetic acid
2. ✓ Isopropyl Alcohol
3. ✗ Titanium Dioxide
4. ✗ Methyl Alcohol

Question Number : 20 Question Id : 3838235780 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The constant factor for converting tex count to cotton count is

Options :

1. ✗ 100
2. ✓ 590.5
3. ✗ 5315

4. ✘ 1.1

Question Number : 21 Question Id : 3838235781 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

For cotton, the system of count used is

Options :

1. ✘ Kilotex

2. ✘ Militex

3. ✔ Indirect

4. ✘ Direct

Question Number : 22 Question Id : 3838235782 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

CDT test gives information about

Options :

1. ✘ Birefringence of fibre structure

2. ✔ Crystallinity of fibre structure

3. ✘ Orientation of fibre structure

4. ✘ Specific Gravity of fibre structure

Question Number : 23 Question Id : 3838235783 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

From ring spinning section, 20 ring cops were selected randomly from two frames for testing yarn count. To know whether the frames are spinning the same count, the best statistical tools advised is

Options :

1. ✘ Chi- square test
2. ✘ Cluster analysis
3. ✘ Fisherman's test
4. ✔ Student 't' test

Question Number : 24 Question Id : 3838235784 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In testing the colour fastness of a dye, Crock meter is used. If the dye has best wash fastness, the grade will be

Options :

1. ✘ 3
2. ✔ 5
3. ✘ 2
4. ✘ 1

Question Number : 25 Question Id : 3838235785 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is not a parameter of KES-f?

Options :

1. ✘ SMD
2. ✘ G
3. ✔ F
4. ✘ $\frac{2HB}{T_m}$

Question Number : 26 Question Id : 3838235786 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

When compared to 40^s cotton shirting, the crease recovery of Polyester shirting from 50 D x 50 D (Tex x Tex) is

Options :

1. ✘ Equal
2. ✔ Higher
3. ✘ Lower
4. ✘ Normal

Question Number : 27 Question Id : 3838235787 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

'USTER' Tensorapid tensile tester works based on the principle of

Options :

1. ✘ CRT
2. ✘ CRE
3. ✘ CRF
4. ✔ CRL

Question Number : 28 Question Id : 3838235788 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is preferred for filtration function of geotextile?

Options :

1. ✔ Jute nonwoven
2. ✘ Cotton knitted
3. ✘ Polypropylene nonwoven

4. ✘ Wool knitted

Question Number : 29 Question Id : 3838235789 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following controls “Koshi” in fabric low stress mechanical properties?

Options :

1. ✘ Shear deformation
2. ✔ Bending deformation
3. ✘ Tensile deformation
4. ✘ Surface deformation

Question Number : 30 Question Id : 3838235790 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

A cotton grey fabric showed drape coefficient of 0.78. Then the drape coefficient of fabric following scouring is

Options :

1. ✔ 0.51
2. ✘ 0.681
3. ✘ 0.62
4. ✘ 0.59

Question Number : 31 Question Id : 3838235791 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following blending process is recommended to get the uniform blending of fibres?

Options :

1. ✘ Carding
2. ✘ Drawframe
3. ✔ Blowroom
4. ✘ Comber

Question Number : 32 Question Id : 3838235792 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

For an ideal blend mixing of fibres, π value should be equal to

Options :

1. ✘ 0
2. ✔ 1
3. ✘ 2
4. ✘ 1.2

Question Number : 33 Question Id : 3838235793 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In Modern Comber, which will be in the form of one fourth moon shape in size?

Options :

1. ✘ Plane segment
2. ✘ Table Calendar
3. ✘ Improved Nipper
4. ✔ Web condenser

Question Number : 34 Question Id : 3838235794 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The maximum number of spindles in G 36 ring frame is

Options :

1. ✓ 1824
2. ✗ 1724
3. ✗ 1224
4. ✗ 1228

Question Number : 35 Question Id : 3838235795 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following type of action occurs between inclined spiked lattice and evener?

Options :

1. ✗ Beat out
2. ✗ Combing
3. ✓ Tearing up
4. ✗ Picking part

Question Number : 36 Question Id : 3838235796 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

As the material passes, which type of action the mono cylinder has?

Options :

1. ✗ Beat out
2. ✓ Aero Dynamic
3. ✗ Combing
4. ✗ Picking part

Question Number : 37 Question Id : 3838235797 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The standard norm for the waste at comber is

Options :

1. ✓ 0.5% of short fibre % of sorter diagram
2. ✗ 2.5 times short fibre % of sorter diagram
3. ✗ 4.5% of short fibre % of sorter diagram
4. ✗ based on type of cotton processed

Question Number : 38 Question Id : 3838235798 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Cleaning efficiency of an opener can be judged by

Options :

1. ✗ Waster extraction at the end of blow room
2. ✗ Overall cleaning efficiency
3. ✓ Individual cleaning efficiency
4. ✗ Yarn realization studies

Question Number : 39 Question Id : 3838235799 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is correct pertaining to fibre fracture?

Options :

1. ✗ change in mass / unit volume
2. ✓ change in fibre length

3. ✘ change in fibre fineness

4. ✘ change in fibre crimp

Question Number : 40 Question Id : 3838235800 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Counting of Neps at left, middle & right is found in

Options :

1. ✘ Blow room

2. ✘ Fibre retriever

3. ✘ Trash analyzer

4. ✔ Carding

Question Number : 41 Question Id : 3838235801 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Trash in the draw frame sliver as feed material is a very important parameter while processing in

Options :

1. ✘ Friction spinner

2. ✔ Rotor spinner

3. ✘ Air Jet spinner

4. ✘ Wrap spinner

Question Number : 42 Question Id : 3838235802 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is measured on the drafting roller in spinning, using NILO meter?

Options :

1. ✓ Pressure
2. ✗ Speed
3. ✗ Vibration
4. ✗ Setting

Question Number : 43 Question Id : 3838235803 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following techniques is used to check the uniformity of load on drafting roller?

Options :

1. ✗ U % study
2. ✗ Snap study
3. ✓ Carbon paper
4. ✗ Time study

Question Number : 44 Question Id : 3838235804 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Break draft used in simplex is in the range of

Options :

1. ✗ 1.09 - 1.12
2. ✓ 1.2 - 1.3
3. ✗ 1.22 - 1.29
4. ✗ 1.1 - 1.3

Question Number : 45 Question Id : 3838235805 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

A defect “drag away” during working of the machine is observed in

Options :

1. ✓ Ring frame
2. ✗ Flyer frame
3. ✗ TFO
4. ✗ Doubler

Question Number : 46 Question Id : 3838235806 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The number of coils /D.T, remains constant from D_0 to D_{\max} in

Options :

1. ✗ Drum winders
2. ✓ Precision winders
3. ✗ Ply winders
4. ✗ Doubler winder

Question Number : 47 Question Id : 3838235807 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Alpanol is a best example of

Options :

1. ✗ Sizing unit
2. ✓ Sizing ingredient
3. ✗ Sizing treatment
4. ✗

Post sizing operation

Question Number : 48 Question Id : 3838235808 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Wet splitting is a concept of

Options :

1. ✘ Single end sizing
2. ✘ Perfect drying methodology
3. ✘ Solvent sizing
4. ✔ Split drying

Question Number : 49 Question Id : 3838235809 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

For a weavers beam of 64", the best suited beam press roller is

Options :

1. ✘ 64.5"
2. ✔ 63.5"
3. ✘ 64"
4. ✘ 62.5"

Question Number : 50 Question Id : 3838235810 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In case of reeves variator in a sizing machine, it is necessary to

Options :

1. ✘ adjust the tension of warp
2. ✔ reset after each set length

3. ✘ clean after each set length

4. ✘ submerge in oil bath

Question Number : 51 Question Id : 3838235811 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Starting marks can be prevented by using

Options :

1. ✘ Indirect cloth winding

2. ✔ Thin place preventers

3. ✘ 20 / 22 S.S Emery

4. ✘ 10" Emery roller

Question Number : 52 Question Id : 3838235812 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The recommended percentage of air space in reeds is

Options :

1. ✘ 45.34

2. ✔ 60.00

3. ✘ 54.25

4. ✘ 70.25

Question Number : 53 Question Id : 3838235813 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

A Poplin sort with 112 ends X 72 picks 40^s produced on a 50" RS auto loom needs

Options :

1. ✘ $2/108^s$ Reed
2. ✘ $2/80^s$ Reed
3. ✔ $4/52^s$ Reed
4. ✘ $3/100^s$ Reed

Question Number : 54 Question Id : 3838235814 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which type of weft accumulators given below are used to achieve higher W.I.R?

Options :

1. ✘ Axial feed over end withdrawal
2. ✔ Axial feed axial withdrawal
3. ✘ Over end feed over end withdrawal
4. ✘ Over end feed axial withdrawal

Question Number : 55 Question Id : 3838235815 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Warp stop motion is not found in

Options :

1. ✔ Jacquard
2. ✘ Dobby
3. ✘ Shuttle loom
4. ✘ Rapier loom

Question Number : 56 Question Id : 3838235816 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Friction let off in modern loom is of _____ type.

Options :

1. ✓ Friction clutch let off
2. ✗ Friction let off with beam feeler
3. ✗ Frictionless rollers
4. ✗ Semi-positive and intermittent

Question Number : 57 Question Id : 3838235817 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The percentage stretch employed in sizing of 2/40's P/V yarn meant for unconventional weaving is about

Options :

1. ✗ 1.2
2. ✗ 3.25
3. ✓ 1
4. ✗ 1.5

Question Number : 58 Question Id : 3838235818 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

All the mechanisms in shuttless looms are set with respect to

Options :

1. ✗ Cam shaft
2. ✓ Index wheel
3. ✗ Fly wheel
4. ✗ Break wheel

Question Number : 59 Question Id : 3838235819 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Pick finding in modern looms include the

Options :

1. ✓ Heald crossing motion
2. ✗ Warp easing motion
3. ✗ Cylinder turning motion
4. ✗ Index wheel turning motion

Question Number : 60 Question Id : 3838235820 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

If projectile gripper, rapier & air jet weaving are compared for techno-economic aspects, one can say that

Options :

1. ✗ Rapier is better than projectile gripper & air jet
2. ✓ Air Jet is better than rapier & projectile gripper
3. ✗ Projectile gripper is better than air jet & rapier
4. ✗ Projectile is better for 20's sheeting production

Question Number : 61 Question Id : 3838235821 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The general rule of drawing order of ends in a Reed for any weave is

Options :

1. ✓ 2 ends / dent

2. ✗

3 ends / dent

3. ✘ 4 ends / dent

4. ✘ 1 ends / dent

Question Number : 62 Question Id : 3838235822 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following drafts is used for production of plain weave in industry?

Options :

1. ✘ Broken

2. ✔ Skip

3. ✘ Pointed

4. ✘ Straight

Question Number : 63 Question Id : 3838235823 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

From the following, identify the odd one with respect to toweling weaves

Options :

1. ✘ Huck-A - Buck

2. ✘ Honey Comb

3. ✔ Moss Crepe

4. ✘ Terry / Turkish

Question Number : 64 Question Id : 3838235824 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Match Group I with Group II and choose the correct options

	<u>GROUP – I</u>		<u>GROUP – II</u>
P	Always it is on multiples of four	1	Minimum ends are 4 X 4
Q	Irregular Sateen	2	Check for outer presentation of folded garment
R	Devon Huck	3	Two ground and one figuring
S	Loose Back Pique	4	Odd numbers are move numbers
		5	Brighton Honey Comb
		6	10 ends and 6 picks

Options :

1. ✘ P – 3, Q – 6, R – 2, S - 1
2. ✘ P – 6, Q – 3, R – 1, S – 2
3. ✔ P – 5, Q – 1, R – 6, S – 3
4. ✘ P – 5, Q – 2, R – 3, S - 6

Question Number : 65 Question Id : 3838235825 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Fancy matty is the result of

Options :

1. ✔ Warp & Weft Rib weave
2. ✘ Plain weave
3. ✘ Sateen and Weft rib weave
4. ✘ Plain & Satin weave

Question Number : 66 Question Id : 3838235826 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The skip order for plain weave, if 6 Heald shafts employed are

Options :

1. ✘ 1-3, 2-5, 4-6

2. ✔ 1-4, 3-5, 2-6

3. ✘ 1-4, 2-5, 3-6

4. ✘ 1-5, 2-4, 3-6

Question Number : 67 Question Id : 3838235827 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Pattern depth depends on

Options :

1. ✘ gauge

2. ✔ number of tricks per wheel

3. ✘ number of butts

4. ✘ number of feeds

Question Number : 68 Question Id : 3838235828 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The following is the most popular and quicker methods for measurement of Spirality in weft knit goods

Options :

1. ✔ Photo copy method

2. ✘ Heat set method

3. ✘ Wash burns method

4. ✘ Star fish method

Question Number : 69 Question Id : 3838235829 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Maximum machine diameter for circular weft knit machine is

Options :

1. ✘ 50 inches
2. ✔ 30 inches
3. ✘ 60 inches
4. ✘ 10 inches

Question Number : 70 Question Id : 3838235830 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The maximum yarn tension build up occurs in

Options :

1. ✘ Nonlinear cam with 52°
2. ✘ Linear cam with 57°
3. ✘ Nonlinear cam with 55°
4. ✔ linear cam with 45°

Question Number : 71 Question Id : 3838235831 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Tightness factor is given by

Options :

1. ✔ $\frac{\sqrt{T_{ex}}}{L}$
2. ✘ $L = 2H + C$
3. ✘

$$L = d^2 + \frac{a^2}{4}$$

4. ✘
$$L = 3\sqrt{\left(\frac{d+a}{4}\right)^2}$$

Question Number : 72 Question Id : 3838235832 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

As compared to woven fabrics, the values of G, HB & 2 HG in knit goods are

Options :

1. ✘ Moderately high

2. ✘ Very high

3. ✔ Lower

4. ✘ Moderately low

Question Number : 73 Question Id : 3838235833 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Rack means

Options :

1. ✘ 600 courses in warp knitting

2. ✘ 388 courses in warp knitting

3. ✔ 450 courses in warp knitting

4. ✘ 525 courses in warp knitting

Question Number : 74 Question Id : 3838235834 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following governs the Run-in Ratio in warp knitting?

Options :

1. ✘ Number and type of bars
2. ✔ Underlap
3. ✘ Overlap
4. ✘ Types of Needles

Question Number : 75 Question Id : 3838235835 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The following has excellent elastic recovery

Options :

1. ✘ Cotton
2. ✘ Polyster
3. ✔ Nylon
4. ✘ Viscose

Question Number : 76 Question Id : 3838235836 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Use of scrambler roller in condenser card gives

Options :

1. ✔ Random laid webs
2. ✘ Cross laid webs
3. ✘ Parallel laid webs
4. ✘ Continuous laid webs

Question Number : 77 Question Id : 3838235837 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In needle punching, the DPN, ND and WW will influence

Options :

1. ✘ Fibre arrangement of the fabric
2. ✔ Tenacity of the fabric
3. ✘ Width of the fabric
4. ✘ Thickness of the fabric

Question Number : 78 Question Id : 3838235838 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In Needle punching a Crown needle has number of barbs

Options :

1. ✘ 2
2. ✔ 3
3. ✘ 4
4. ✘ 7

Question Number : 79 Question Id : 3838235839 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

If carding machines are placed parallel to each other, the web doffed from the final card gives

Options :

1. ✘ Longitudinal orientation
2. ✔ Random orientation

3. ✘ Cross – laid orientation

4. ✘ Horizontal orientation

Question Number : 80 Question Id : 3838235840 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In a cross lapper, if draw off speed is V_A and laying speed is V_L , then laying angle is given by

Options :

1. ✘ $\cot \alpha = \frac{V_L}{V_A}$

2. ✘ $\tan \alpha = \frac{V_A}{V_L}$

3. ✘ $\cot \alpha = \frac{V_A}{V_L}$

4. ✔ $\tan \alpha = \frac{V_L}{V_A}$

Question Number : 81 Question Id : 3838235841 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Two x Two Rubia cloth needs

Options :

1. ✔ Singing

2. ✘ Calendaring

3. ✘ Mercerizing

4. ✘ Polishing

Question Number : 82 Question Id : 3838235842 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The approximate lot size fed to a jet dyeing machine

Options :

1. ✘ 50 – 80 kg
2. ✘ 60- 90 kg
3. ✔ 120- 140 kg
4. ✘ exactly 100 kg

Question Number : 83 Question Id : 3838235843 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Wash burn equation is used in understanding

Options :

1. ✘ Dyeing theory
2. ✘ Surface characteristics
3. ✔ Washing
4. ✘ Diffusion

Question Number : 84 Question Id : 3838235844 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In long jets, the liquor to material ratio is

Options :

1. ✘ 1:1.5
2. ✘ 1:3
3. ✔ 1:8

4. ✘ 1:10

Question Number : 85 Question Id : 3838235845 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

One bath dyeing of P/C blends calls for use of

Options :

1. ✔ High temperature resistant reactive dyes
2. ✘ High viscosity disperse dyes
3. ✘ Low temperature disperse dyes
4. ✘ Low viscosity reactive dyes

Question Number : 86 Question Id : 3838235846 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The capacity of a processing unit is normally judged by the number of

Options :

1. ✔ Stenters
2. ✘ Dyeing machines
3. ✘ Printing machines
4. ✘ Drumming machines

Question Number : 87 Question Id : 3838235847 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Surface modification of Polyester imparts

Options :

1. ✘ Smoothness to Polyester
2. ✔

Silky feeling to Polyester

3. ✘ Scroopiness to Polyester

4. ✘ Shining to Polyester

Question Number : 88 Question Id : 3838235848 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Feed forward and feed backward concept is observed in

Options :

1. ✘ Winch dyeing machine

2. ✘ Jet dyeing machine

3. ✔ Jigger dyeing machine

4. ✘ Pad- Batch dyeing machine

Question Number : 89 Question Id : 3838235849 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Quality of the fabric finished in stenter basically depends on

Options :

1. ✘ GSM of the fabric being finished

2. ✘ Speed of the stenter

3. ✘ Temperature profiles of chambers

4. ✔ % Over feed

Question Number : 90 Question Id : 3838235850 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The best dyeing uniformity is obtained on

Options :

1. ✘ Winch dyeing machine
2. ✔ Jet dyeing machine
3. ✘ Jigger dyeing machine
4. ✘ Pad- Batch dyeing machine

Question Number : 91 Question Id : 3838235851 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Tenacity is the term used for the strength of

Options :

1. ✔ Fiber
2. ✘ Yarn
3. ✘ Fabric
4. ✘ Cotton

Question Number : 92 Question Id : 3838235852 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In jet dyeing machine

Options :

1. ✔ Both fabric and liquor will be moving
2. ✘ Liquor stationary and fabric will be moving
3. ✘ Fabric is stationary and liquor will be moving
4. ✘ Fabric and liquor are stationary

Question Number : 93 Question Id : 3838235853 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Among the following circular cross section fibres, which absorbs more dyes in dyeing

Options :

1. ✘ Star shaped
2. ✔ Trilobal shaped
3. ✘ High tenacity
4. ✘ Pentalobal shaped

Question Number : 94 Question Id : 3838235854 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In fabric folding machine, the type of motion of the folder is

Options :

1. ✘ Eccentric
2. ✘ Simple harmonic
3. ✔ Reciprocatory
4. ✘ Cycloid

Question Number : 95 Question Id : 3838235855 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Compared to grey fabric, heat set polyester fabric show

Options :

1. ✘ High shear rigidity
2. ✔ High density
3. ✘ High bending rigidity

4. ✘ Low density

Question Number : 96 Question Id : 3838235856 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The amount charged by customs, imposed on imports is called as

Options :

1. ✔ Tariff

2. ✘ Export duty

3. ✘ Charges

4. ✘ MFA

Question Number : 97 Question Id : 3838235857 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The process of buying of goods offshore, from other countries is

Options :

1. ✘ Management of merchandising

2. ✔ International sourcing

3. ✘ In-house planning

4. ✘ Production plan

Question Number : 98 Question Id : 3838235858 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The process of making patterns with the help of body measurements is called

Options :

1. ✔ Drafting

2. ✘

Draping

3. ✘ Slash and spread
4. ✘ Flat pattern making

Question Number : 99 Question Id : 3838235859 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Creating customized garment patterns by using muslin on dress form is called

Options :

1. ✘ Wrapping
2. ✘ Air pinning
3. ✔ Draping
4. ✘ Slash and overlap

Question Number : 100 Question Id : 3838235860 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Mass produced garments use the following measurements

Options :

1. ✘ Designer's own measurements
2. ✘ Measurements of models
3. ✘ Individual measurements
4. ✔ Standard size chart

Question Number : 101 Question Id : 3838235861 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The economical way of planning the fabric layout is possible in garment industry with the help of

Options :

1. ✘ Digitizer
2. ✔ Marker
3. ✘ Sloper
4. ✘ Conveyor

Question Number : 102 Question Id : 3838235862 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Arrow mark on the pattern indicates

Options :

1. ✘ Top stitching
2. ✘ On fold
3. ✘ Points of joining
4. ✔ Grain

Question Number : 103 Question Id : 3838235863 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The objective of spreading is

Options :

1. ✔ To check the grain of fabric
2. ✘ To draw the patterns
3. ✘ To check the fabric defects
4. ✘ For easy bundling

Question Number : 104 Question Id : 3838235864 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Machine used for cutting straight lines in layout is

Options :

1. ✓ Straight knife
2. ✗ Rotary knife
3. ✗ Water jets
4. ✗ Laser knife

Question Number : 105 Question Id : 3838235865 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The process of packing similar patterns after cutting in apparel industry is

Options :

1. ✗ Packing
2. ✗ Marking
3. ✗ Tagging
4. ✓ Bundling

Question Number : 106 Question Id : 3838235866 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Feed mechanism depends on the following part of sewing machine

Options :

1. ✗ Shuttle
2. ✓ Feed dog

3. ✘ Fly wheel
4. ✘ Tension guide

Question Number : 107 Question Id : 3838235867 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Joining two or more layers of fabric using lock stitch is called

Options :

1. ✔ Seam
2. ✘ Seam finish
3. ✘ Hem stitching
4. ✘ Stitching

Question Number : 108 Question Id : 3838235868 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Stitch number for ordinary running on lock stitch sewing machine is

Options :

1. ✔ 301
2. ✘ 402
3. ✘ 302
4. ✘ 401

Question Number : 109 Question Id : 3838235869 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The process of joining the two layers of fabric using heat pressing in-order to retain the shape of the garment component is called

Options :

1. ✘ Welding
2. ✔ Fusing
3. ✘ Reviting
4. ✘ Molding

Question Number : 110 Question Id : 3838235870 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The process to remove unwanted creases in garment after laundry is

Options :

1. ✘ Folding
2. ✘ Molding
3. ✘ Fusing
4. ✔ Pressing

Question Number : 111 Question Id : 3838235871 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The common sewing thread is a

Options :

1. ✔ Folded yarn
2. ✘ Slub yarn
3. ✘ Chenille yarn
4. ✘ Seed yarn

Question Number : 112 Question Id : 3838235872 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which one of the following is used as medium of laundering clothes in tumble wash?

Options :

1. ✓ Water
2. ✗ Petroleum solvent
3. ✗ Ether
4. ✗ Detergent

Question Number : 113 Question Id : 3838235873 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Care label “triangle” symbol indicates

Options :

1. ✓ Bleaching
2. ✗ Washing
3. ✗ Dry cleaning
4. ✗ Tumble wash

Question Number : 114 Question Id : 3838235874 Question Type : MCQ Option Shuffling : Yes

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is to be avoided for packaging eco-friendly garments?

Options :

1. ✗ Clips & pins
2. ✓ Poly covers
3. ✗ Paper covers
4. ✗

Jute fabric tags

Question Number : 115 Question Id : 3838235875 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The task of purchasing of raw materials used for garment production is associated with

Options :

1. ✘ Consumer
2. ✔ Merchandizer
3. ✘ Retailer
4. ✘ Wholesaler

Question Number : 116 Question Id : 3838235876 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The continuous process at every stage of garment production is

Options :

1. ✘ Specification marking
2. ✘ Ticket marking
3. ✘ Size checking
4. ✔ Quality checking

Question Number : 117 Question Id : 3838235877 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Credit purchase indicates the paying of money

Options :

1. ✘ On delivery of goods
2. ✔ At a later stage as specified

3. ✘ Before receiving the goods

4. ✘ At the time of placing order

Question Number : 118 Question Id : 3838235878 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The following stain removal, requires sunlight

Options :

1. ✘ Blood

2. ✘ Ink

3. ✔ Turmeric

4. ✘ Oil

Question Number : 119 Question Id : 3838235879 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Suction wash is used for the following fabrics

Options :

1. ✘ Polyester shirts

2. ✔ Woolen blankets

3. ✘ Denim pants

4. ✘ Cotton bed covers

Question Number : 120 Question Id : 3838235880 Question Type : MCQ Option Shuffling : Yes
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Multi head sewing machine is commonly used for

Options :

1. ✖ Button hole making
2. ✖ Flat lock the seams
3. ✖ Overlocking seams
4. ✔ Embroidery