National Testing Agency

Question Paper Name :   Textile Engineering 20th March 2024 Shift 1

Subject Name :   Textile Engineering

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Duration :   105

Total Marks :   300

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Textile Engineering

Group Number :   1

Group Id :   680191129

Group Maximum Duration :   0

Group Minimum Duration :   105

Show Attended Group? :   No

Edit Attended Group? :   No

Break time :   0

Group Marks :   300

Is this Group for Examiner? :   No

Examiner permission :   Cant View

Show Progress Bar? :   No

Textile Engineering

Section Id :   680191162

Section Number :   1

Section type :   Online

Mandatory or Optional :   Mandatory

Number of Questions :   75

Number of Questions to be attempted :   75

Section Marks :   300

Enable Mark as Answered Mark for Review and
Clear Response :   Yes

Maximum Instruction Time :   0

Sub-Section Number :   1

Sub-Section Id :   680191221

Question Shuffling Allowed :   Yes

Is Section Default? :   null

Question Number : 1 Question Id : 6801919849 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

On a ring frame machine the ratio of winding coils to binding coils is _____

1. 1 : 2
2. 1 : 3
3. 2 : 1
4. 3 : 1

Options :

68019138801. 1

68019138802. 2

68019138803. 3

68019138804. 4

Question Number : 2 Question Id : 6801919850 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Correct process sequence for production of combed yarn is _____

1. Blow room - Carding - Breaker Draw frame - Finisher Draw frame - Speed frame - Ring frame
2. Blow room - Carding - Sliver Lap - Ribbon Lap - Comber - Speed frame - Ring frame
3. Blow room - Carding - Draw frame - Lap former - Comber - Speed frame - Ring frame
4. Blow room - Carding - Draw frame - Lap former - Comber - Draw frame - Speed frame - Ring frame

Options :

68019138805. 1

68019138806. 2

68019138807. 3

68019138808. 4

Question Number : 3 Question Id : 6801919851 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Blow room is fed with bales of 8% trash. While processing through the machines in Blow room machines 9% trash is removed. If trash % in lap produced is 2 % , calculate the trash % in the collected waste at Blow room.

1. 68.66 %
2. 75.00 %
3. 77.77%
4. 2,55%

Options :

68019138809. 1

68019138810. 2

68019138811. 3

68019138812. 4

Question Number : 4 Question Id : 6801919852 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Roller slip and drafting wave is responsible for unevenness of sliver at draw frame. It is due to _____.

1. Slipping of third top roller of drafting system at second passage of draw frame after card.
2. Slipping of second top roller of drafting system at second passage of draw frame after card.
3. Slipping of third top roller of drafting system at first passage of draw frame after card.
4. Slipping of second top roller of drafting system at first passage of draw frame after card.

Options :

68019138813. 1

68019138814. 2

68019138815. 3

68019138816. 4

Question Number : 5 Question Id : 6801919853 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Shirley Analyser test showed the following results.
Trash in bale - 8%, trash in lap - 2% and trash in silver - 0.4% . The blow room cleaning efficiency and card cleaning efficiency and combined cleaning efficiency is _____; respectively.

1. 95%, 80% and 75%
2. 75%, 80% and 95%
3. 80%, 95% and 75%
4. 75%, 95% and 80%

Options :

68019138817. 1

68019138818. 2

68019138819. 3

68019138820. 4

Question Number : 6 Question Id : 6801919854 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

It is desired to make a 60 grains per yard sliver from 14 ounce per yard lap on carding machine. While processing in card 3.5% of waste is removed. The machine draft on the machine is

_____

    1. 102.2
    2. 105.76
    3. 96.55
    4. 98.62

Options :

68019138821. 1

68019138822. 2

68019138823. 3

68019138824. 4

Question Number : 7 Question Id : 6801919855 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Coiler calender roller of a carding machine revolves at 40 meters per minute surface speed. If the linear density of sliver is 4 kilotex (kg/km), the production of card would be _____.

    1. 7.86 kg/hour
    2. 9.6 kg/hour
    3. 8 kg/hr
    4. 7.68 kg/hour

Options :

68019138825. 1

68019138826. 2

68019138827. 3

68019138828. 4

Question Number : 8 Question Id : 6801919856 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Select the correct combing preparatory sequence from the following.

1. Carding - Draw frame - Sliver lap machine - Ribbon lap machine - Comber
2. Carding - Draw frame - Draw frame - Lap former - Comber
3. Carding - Draw frame - Lap former - Comber
4. Carding - Lap former - Draw frame - Comber

Options :

68019138829. 1

68019138830. 2

68019138831. 3

68019138832. 4

Question Number : 9 Question Id : 6801919857 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

On ring frame for a given ring diameter, minimum bobbin diameter is calculated as by using following formula.

1. Minimum bobbin diameter = 0.3907 x Ring diameter
2. Minimum bobbin diameter = 3.907 x Ring diameter
3. Minimum bobbin diameter = 0.25 x Ring diameter
4. Minimum bobbin diameter = Ring diameter / 0.3907

Options :

68019138833. 1

68019138834. 2

68019138835. 3

68019138836. 4

Question Number : 10 Question Id : 6801919858 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

On a doubling frame a 2/16^s double yarn is produced with single twist factor (STF) 4 , Z direction and doubling twist factor (DTF) 8 in S direction. The twist in resultant double yarn is _____

1. Doubling turns per inch is 11.8 in S direction
2. Doubling turns per inch is 4.2 in Z direction
3. Doubling turns per inch is 7.6 in Z direction
4. Doubling turns per inch is 6.56 in S direction.

Options :

68019138837. 1

68019138838. 2

68019138839. 3

68019138840. 4

Question Number : 11 Question Id : 6801919859 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Three yarns of 20s, 30s and 40s count are doubled together. If the percentage contraction is 4% , the resultant count of yarn would be _____

1. 9.23^s
2. 9^s
3. 10^s
4. 8.86^s

Options :

68019138841. 1

68019138842. 2

68019138843. 3

68019138844. 4

Question Number : 12 Question Id : 6801919860 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

	LIST I		LIST II
A.	Scratch Combing	I.	Minimum waste extracted
B.	Half Combing	II.	Upto 9% waste extracted
C.	Ordinary Combing	III.	Waste extracted above 18%
D.	Full Combing	IV.	Between 10 to 18 % waste extracted

Choose the correct answer from the options given below:

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

Options :

68019138845. 1

68019138846. 2

68019138847. 3

68019138848. 4

Question Number : 13 Question Id : 6801919861 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

For obtaining high strength in doubled yarn, the ratio of Folding twist factor to single thread twist factor should be _____

1. 0.7
2. 1.8
3. 1.0
4. 0.5

Options :

68019138849. 1

68019138850. 2

68019138851. 3

68019138852. 4

Question Number : 14 Question Id : 6801919862 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A blended yarn is to be produced with 70 : 30 blend proportion of Polyester and Cotton fibers. Hank of polyester silver is 0.15, number of doublings of polyester silver are 4 and that of cotton are 2. The hank of cotton sliver need to be ___

1. 0.15
2. 0.16
3. 0.145
4. 0.175

Options :

68019138853. 1

68019138854. 2

68019138855. 3

68019138856. 4

Question Number : 15 Question Id : 6801919863 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

On a draw frame machine, the weight of 8 silvers fed is 68 grains per yard, weight of silver delivered is 48 grains per yard. The draft in the drafting system would be _____

1. 8.32
2. 6.5
3. 11.33
4. 7.56

Options :

68019138857. 1

68019138858. 2

68019138859. 3

68019138860. 4

Question Number : 16 Question Id : 6801919864 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Cheese is wound on a rotary winding machine equipped with 75 mm diameter drum with 2.5 crossing.
The bare bobbin diameter is 30 mm. The diameters at which ribbon formation is occurring would be _____

    1. 30.75, 32.5, 36.42, 38.66, ---
    2. 31.85, 35.66, 39.64, ---
    3. 31.25, 34.09, 37.5, 41.67, ----
    4. 31.48, 33.86, 36.92, 40.84, ---

Options :

68019138861. 1

68019138862. 2

68019138863. 3

68019138864. 4

Question Number : 17 Question Id : 6801919865 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A study conducted on winding machine for stipulated period showed that total number of knots put by knotter is 120, out of that knots put to remove objectionable faults is 40. The Knot factor of the winding machine is _____

    1. 2.5
    2. 33.33
    3. 3
    4. 4

Options :

68019138865. 1

68019138866. 2

68019138867. 3

68019138868. 4

Question Number : 18 Question Id : 6801919866 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A study conducted on winding machine revealed that the Knot factor and cleaning efficiency of the machine is of 2.5 and 75%, respectively. Quality factor of the machine is _____.

1. 25
2. 15
3. 24
4. 30

Options :

68019138869. 1

68019138870. 2

68019138871. 3

68019138872. 4

Question Number : 19 Question Id : 6801919867 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

On a winding machine, 15 cm wide cheese is wound by a 7.5 cm diameter drum having crossing of 3. The angle of coil at which the yarn laid is _____

1. 72°
2. 78°
3. 80°
4. 68°

Options :

68019138873. 1

68019138874. 2

68019138875. 3

68019138876. 4

Question Number : 20 Question Id : 6801919868 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Breaks on winding machine must be very efficient and the machine should instanteneously stop within _____ revolutions of the drum even if a single warp thread breaks

    1. four
    2. two
    3. three
    4. one and half

Options :

68019138877. 1

68019138878. 2

68019138879. 3

68019138880. 4

Question Number : 21 Question Id : 6801919869 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

While mending a warp break sometimes the warper finds the tail end of the yarn by rotating the beam slowly, after locating the tail end he put knot with the thread from the cone in the creel. This will cause
a. Cut ends on the loom
b. Lapper on warping beams, immersion roller, squeeze rollers of sizing machine
c. Lappers on drying cylinder of sizing machine
d. That particular end will be working tight than other ends and can cause end breaks during weaving

    1. a and b
    2. a, b and c
    3. a and c
    4. d

Options :

68019138881. 1

68019138882. 2

68019138883. 3

68019138884. 4

Question Number : 22 Question Id : 6801919870 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A warping beam is having 15 cm diameter barrel and 80 cm diameter flange. A warp sheet wound on it is having 20 ends per inch and count of warp is 30 tex. The length of warp sheet would be _____ if the density of beam is 0.5 gm/cm^3

1. 2350 meters
2. 4039 meterss
3. 3648 meters
4. 4264 meters

Options :

68019138885. 1

68019138886. 2

68019138887. 3

68019138888. 4

Question Number : 23 Question Id : 6801919871 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A fabric is woven with following particulars, ends per inch = 100, fabric width = 80 inches, weft regain = 4.0 % and denting order = two end per dent. Calculate the reed count.

1. 96^s
2. 80^s
3. 88^s
4. 90^s

Options :

68019138889. 1

68019138890. 2

68019138891. 3

68019138892. 4

Question Number : 24 Question Id : 6801919872 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A set of warp yarn is increased in its weight by 60% when immersed in size box at sizing machine. The size add on the warp is 8%. What percentage of solids should be there in the size paste.?

1. 11.5%
2. 12.5 %
3. 20.44 %
4. 13.33 %

Options :

68019138893. 1

68019138894. 2

68019138895. 3

68019138896. 4

Question Number : 25 Question Id : 6801919873 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

On sizing machine the warp tension in the creel zone _____ with reduction in warping beam diameter as sizing progresses.

1. reduces gradually
2. increases gradually
3. remains same
4. reduces exponentially

Options :

68019138897. 1

68019138898. 2

68019138899. 3

68019138900. 4

Question Number : 26 Question Id : 6801919874 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Stretch in creel zone on sizing machine can be controlled by:
a. by installing positive dry nip before entry of warp sheet in the size box.
b. Equal tensioning of all beams
c. Use of ball bearing on shafts of warping beams and guide rollers in the creel.
d. Wet splitting

    1. a and b
    2. a and c
    3. a, b and c
    4. a, b, c, d

Options :

68019138901. 1

68019138902. 2

68019138903. 3

68019138904. 4

Question Number : 27 Question Id : 6801919875 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The stretch at wet zone and creel zone must not exceed ___ and ____; respectively.

    1. 0.5 % and 1.5 %
    2. 1.5 % and 0.5 %
    3. 1.5 % and 2.5 %
    4. 2.5 % and 3.5 %

Options :

68019138905. 1

68019138906. 2

68019138907. 3

68019138908. 4

Question Number : 28 Question Id : 6801919876 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Improper working of steam traps on drying cylinders of sizing machine will lead to _____
a. Steam getting condensed inside the drying cylinder affecting the drying of warpsheet
b. Weight of drying cylinder increases due to accumulation of condensate
c. As drying is improper, speed of machine must be reduced.
d. More power consumption.

    1. a and b
    2. a and d
    3. a, b and c
    4. a, b, c and d

Options :

68019138909. 1

68019138910. 2

68019138911. 3

68019138912. 4

Question Number : 29 Question Id : 6801919877 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In a weaving shed of 800 looms, after taking 25 rounds of snap study, 4000 looms were found stopped, the loss in efficiency to loom stoppage is _____ % . Out of the stopped looms, `1600 looms are found stopped due to end breaks and warp faults. The loss in efficiency due to end breaks and warp faults is _____.

    1. 8 % and 20 %
    2. 12 and 18 %
    3. 20 % and 8 %
    4. 10 % and 15%

Options :

68019138913. 1

68019138914. 2

68019138915. 3

68019138916. 4

Question Number : 30 Question Id : 6801919878 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

An automatic loom working at 180 rpm, weaves fabric with 72 ends per inch and 60 picks per inch. The production of the loom in a shift of 8 hours at 90% efficiency is _____ yards/shift.

    1. 36
    2. 40
    3. 32
    4. 32.92

Options :

68019138917. 1

68019138918. 2

68019138919. 3

68019138920. 4

Question Number : 31 Question Id : 6801919879 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In _____ fabric, the wales of face loop and reverse loop alternate with each other.

    1. Single jersey
    2. Rib
    3. Interlock
    4. Purl

Options :

68019138921. 1

68019138922. 2

68019138923. 3

68019138924. 4

Question Number : 32 Question Id : 6801919880 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

_____ structures require needles with hooks at both sides

   1. Single jersey
   2. 1 x 1 Rib
   3. Interlock
   4. Purl

Options :

68019138925. 1

68019138926. 2

68019138927. 3

68019138928. 4

Question Number : 33 Question Id : 6801919881 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

By removing every alternate dial needle opposite to two working cylinder needles, and by removing every alternate cylinder needle opposite to two working dial needles, _____ structure can be obtained.

   1. 1 x 1 Rib
   2. 2 x 2 Rib
   3. 3 x 2 Rib
   4. 2 x 3 Rib

Options :

68019138929. 1

68019138930. 2

68019138931. 3

68019138932. 4

Question Number : 34 Question Id : 6801919882 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A Knitting machine having 30 inch diameter is having gauge of 24 npi. Total number of needles present in the machine is _____

1. 1854
2. 2033
3. 2268
4. 2261

Options :

68019138933. 1

68019138934. 2

68019138935. 3

68019138936. 4

Question Number : 35 Question Id : 6801919883 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In interchanging double cloth structures, the stitching of face and back cloth is accomplished by _____

a. Raising of suitable back end over suitable face pick
b Lowering of suitable face end under suitable back pick
c. introducing stitching threads in either warp or in weft direction and stitching the to otherwise separate cloths.
d. Continuous and frequent cloth interchanges of both fabric layers.

1. a and b
2. b and c
3. d
4. a and c

Options :

68019138937. 1

68019138938. 2

68019138939. 3

68019138940. 4

Question Number : 36 Question Id : 6801919884 Question Type : MCQ Option Shuffling : No Is
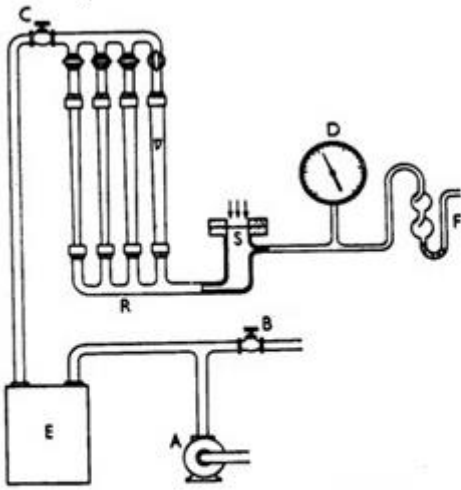
Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Luster in Sateen weave fabric is due to _____
a. High density of ends per inch and picks per inch
b. Long floats of warp and weft on both sides of the fabric
c. Synthetic yarn being used in both warp and weft
d. Special chemical used in finishing.

1. a and b
2. b and c
3. a, b and c
4. a, b, c and d

Options :

68019138941. 1

68019138942. 2

68019138943. 3

68019138944. 4

Question Number : 37 Question Id : 6801919885 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Standard moisture regain of Polyester is 0.4 % and that of wool is 17 %, Calculate the standard moisture regain of Polyester / wool blended yarn of blend ratio 75/ 25

1. 8.55%
2. 6.25%
3. 4.55%
4. 9.24%

Options :

68019138945. 1

68019138946. 2

68019138947. 3

68019138948. 4

Question Number : 38 Question Id : 6801919886 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the instrument shown in the diagram.

1. Crease recovery tester
2. Spray tester
3. Air permeability tester
4. Bursting strength tester

Options :

68019138949. 1

68019138950. 2

68019138951. 3

68019138952. 4

Question Number : 39 Question Id : 6801919887 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Arrange the fabrics made from following fibers in the order of diminishing crease recovery.
Cotton, Silk, Wool and Flax

1. Cotton – Flax – Silk – Wool
2. Flax – Cotton – Silk – Wool
3. Silk – Flax – Wool – cotton
4. Wool – Silk – Cotton – Flax

Options :

68019138953. 1

68019138954. 2

68019138955. 3

68019138956. 4

Question Number : 40 Question Id : 6801919888 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Calculate CSP of a yarn specimen from following data
Length of the lea = 120 yard
Weight of yarn = 2.315 gm
Breaking strength of the lea = 86 lbs

   1. 2407
   2. 1853
   3. 1958
   4. 2265

Options :

68019138957. 1

68019138958. 2

68019138959. 3

68019138960. 4

Question Number : 41 Question Id : 6801919889 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements are true:
(A). Crockometer is used for determining colour fastness to washing
(B). Disodiumhydrogen phosphate dodecahydrate is used for maintaining alkaline pH in
determination of colour fastness to perspiration
(C). Grey scales cannot be manufactured by any textile industry or Association
(D). Colour fastness to sublimation is preferably carried for dyed polyester fabrics
Choose the correct answer from the options given below:

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

Options :

68019138961. 1

68019138962. 2

68019138963. 3

68019138964. 4

Question Number : 42 Question Id : 6801919890 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

If a skein of 100 mt. of polyester, yarn weighs 0.82 gm. Find out the Denier and New English
Count of the given polyester.

    1. 73.80; 82.01
    2. 73.80; 72.01
    3. 83.80; 72.01
    4. 83.80; 82.01

Options :

68019138965. 1

68019138966. 2

68019138967. 3

68019138968. 4

Question Number : 43 Question Id : 6801919891 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which among the following are the terms associated with shrinkage of fabric?
(A). Relaxation
(B). Progressive
(C). Thermal
(D). Growth
Choose the correct answer from the options given below:

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

Options :

68019138969. 1

68019138970. 2

68019138971. 3

68019138972. 4

Question Number : 44 Question Id : 6801919892 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

	LIST I		LIST II
A.	HVI	I.	Length of fibre
B.	Stelometer	II.	Handle/ Feel parametrs of fabric
C.	Comb sorter	III.	Short Fibre Index
D.	Kawabata	IV.	Strength of fibre

Choose the correct answer from the options given below:

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

Options :

68019138973. 1

68019138974. 2

68019138975. 3

68019138976. 4

Question Number : 45 Question Id : 6801919893 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Grey scales used for evaluating the change in colour and staining of adjacent fabric are manufactured by:
(A). IWS
(B). AATCC
(C). ASTM
(D). SDC
Choose the correct answer from the options given below:

1. (A) and (D) only.
2. (B) and (C) only.
3. (C) and (D).
4. (B) and (D) only.

Options :

68019138977. 1

68019138978. 2

68019138979. 3

68019138980. 4

Question Number : 46 Question Id : 6801919894 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

200 kg of cotton fabric is to be dyed with vat dye for 1.6% shade keeping MLR 1:20 & using 15 gpl of common salt as exhausting agent and 10 gpl caustic soda and 12 gpl hydrose. If the stock dye solution concentration = 0.5%, Stock salt concentration = 100 gpl & Stock caustic soda and hydrose concentration = 100 gpl, the amount of water required for dyeing is _____ liters.

1. 2840
2. 2408
3. 2480
4. 2048

Options :

68019138981. 1

68019138982. 2

68019138983. 3

68019138984. 4

Question Number : 47 Question Id : 6801919895 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Correct Marks : 4 Wrong Marks : 1

_____ of sulphur dyed goods can be minimized by treating with 2-4% _____ solution at 70°C for 15 - 30 min.

    1. Bronziness; Sodium sulphate
    2. Bronziness; Sodium sulphite
    3. Bronziness; Sodium sulphide
    4. Bronziness; Sodium hydrosulphite

Options :

68019138985. 1

68019138986. 2

68019138987. 3

68019138988. 4

Question Number : 48 Question Id : 6801919896 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Correct Marks : 4 Wrong Marks : 1

In double padding process, which of the following sequences are possible?
(A). Pad (Dry)- Pad (Alkali) Process
(B). Pad (Bicarbonate)- Dry Process
(C). Pad (Dry)- Pad (Alkali)- Steam Process
(D). Pad (Bicarbonate)- Dry - Steam Process
Choose the correct answer from the options given below:

    1. (A) and (B) only.
    2. (B) and (C) only.
    3. (C) and (D) only.
    4. (A) and (C) only.

Options :

68019138989. 1

68019138990. 2

68019138991. 3

68019138992. 4

Question Number : 49 Question Id : 6801919897 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Vat pigmentation method is dyeing of cotton in original _____, _____ form.

1. substantive, soluble
2. non-substantive, soluble
3. substantive, insoluble
4. non-substantive, insoluble

Options :

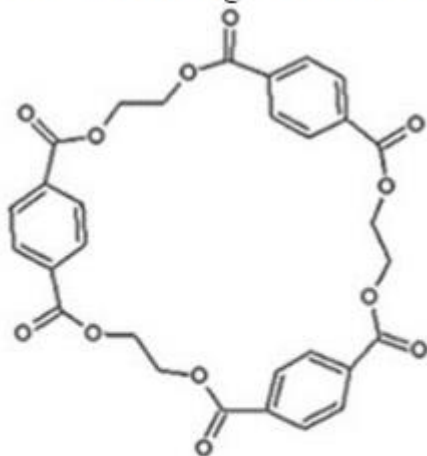68019138993. 1

68019138994. 2

68019138995. 3

68019138996. 4

Question Number : 50 Question Id : 6801919898 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Structure shown in figure is that of _____ found in _____.

1. Cyclic trimer: Acrylic
2. Cyclic trimer: Nylon
3. Cyclic trimer: Polyester
4. Cyclic trimer: Spandex
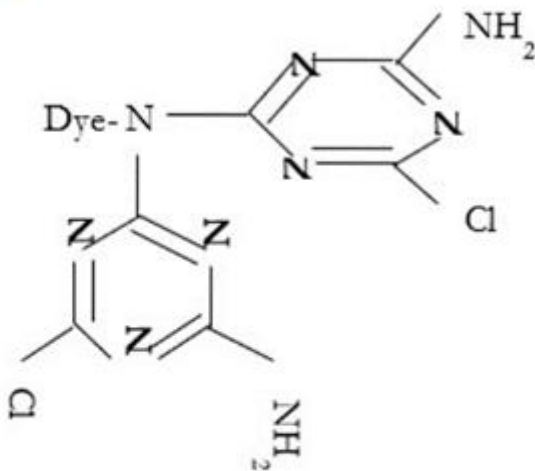
Options :

68019138997. 1

68019138998. 2

68019138999. 3

68019139000. 4

Question Number : 51 Question Id : 6801919899 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In dyeing of acid dyes on wool fibres using different sub-class of acid dyes, depending on pH of dyebath, NaCl functions as a _____ agent as well as _____ agent.

    1. Retarding; Exhausting
    2. Leveling; Exhausting
    3. Reducing; Exhausting
    4. Dispersing; Exhausting

Options :

68019139001. 1

68019139002. 2

68019139003. 3

68019139004. 4

Question Number : 52 Question Id : 6801919900 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Below dye structure is an example of _____ Reactive Dye.

    1. Remazol Brand
    2. ME Brand
    3. HE Brand
    4. M Brand

Options :

68019139005. 1

68019139006. 2

68019139007. 3

68019139008. 4

Question Number : 53 Question Id : 6801919901 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statement are true in case of Nylon Cotton blends:

(A). Two colour effect cannot be achieved on nylon cotton blended fabric

(B). Reserve effect can be achieved on nylon cotton blended fabrics.

(C). Anionic auxiliaries reduce the preferential adsorption on dyeing nylon for light shades

(D). Nylon cellulosic blends can be dyed for solid shade by one bath method using selected acid dyes

Choose the correct answer from the options given below:

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

Options :

68019139009. 1

68019139010. 2

68019139011. 3

68019139012. 4

Question Number : 54 Question Id : 6801919902 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Due to difference in dye absorption of _____ and _____ fibers, to obtain solid shades, few precautions are to be taken during dyeing of these blends.

1. Nylon; wool
2. Nylon; cotton
3. Polyester; wool
4. Polyester; cotton

Options :

68019139013. 1

68019139014. 2

68019139015. 3

68019139016. 4

Question Number : 55 Question Id : 6801919903 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

600 kg of fabric is dyed with a metal-complex dye. After dyeing it was found that 6kg of dye is transferred onto the fabric. If the exhaustion is 80%, what is the % shade of dyeing?

1. 1.75
2. 1.50
3. 1.00
4. 1.25

Options :

68019139017. 1

68019139018. 2

68019139019. 3

68019139020. 4

Question Number : 56 Question Id : 6801919904 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Hetero bi-functional reactive dyes contain _____ and _____ reactive groups.

1. Monochlorotriazine & dichlorotriazine
2. Dichlorotriazine & vinyl sulphone
3. Monochlorotriazine & vinyl sulpone
4. None of the mentioned options

Options :

68019139021. 1

68019139022. 2

68019139023. 3

68019139024. 4

Question Number : 57 Question Id : 6801919905 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

200 Kg of nylon fabric is dyed with acid dye for 3 % shade & the % exhaustion is 80. If you want to have the same depth in pad dyeing with pad solution concentration 4%, what % exhaustion of padding mangle will be required?

    1. 60.00
    2. 70.00
    3. 65.00
    4. 75.00

Options :

68019139025. 1

68019139026. 2

68019139027. 3

68019139028. 4

Question Number : 58 Question Id : 6801919906 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following are correct for Sustainable fabrics and textiles that are essentially produced with limited impact to the environment and community?
(A). Organic Textiles
(B). Eco -Textiles
(C). Recycled and bio-degradable Textiles
(D). Textile Processes addressing Sustainability
Choose the correct answer from the options given below:

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

Options :

68019139029. 1

68019139030. 2

68019139031. 3

68019139032. 4

Question Number : 59 Question Id : 6801919907 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which among the following is the most abundant Green-House-Gas (GHG) in the earth's atmosphere.

1. Tropospheric Ozone
2. Carbon dioxide
3. Water Vapour
4. Sulphur Dioxide

Options :

68019139033. 1

68019139034. 2

68019139035. 3

68019139036. 4

Question Number : 60 Question Id : 6801919908 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In the present day cut throat competition, the mantra of business Success is _____.
(A). Right First Time
(B). Right On Time
(C). Right Every Time
(D). Relaxed Allowance Time
Choose the correct answer from the options given below:

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

Options :

68019139037. 1

68019139038. 2

68019139039. 3

68019139040. 4

Question Number : 61 Question Id : 6801919909 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

	LIST I (Concept)		LIST II (Term)
A.	Absorption of radiation	I.	Turbidimetry
B.	Emission of radiation	II.	Polarimetry
C.	Scattering of radiation	III.	Colorimetry
D.	Rotation of radiation	IV.	Flame photometry

Choose the correct answer from the options given below:

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

Options :

68019139041. 1

68019139042. 2

68019139043. 3

68019139044. 4

Question Number : 62 Question Id : 6801919910 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A
Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following monomers are used in the manufacturing of Polyamide fibres.
(A). Sebacic acid
(B). Caprolactum
(C). Adipic acid
(D). Hexamethylene diamine
Choose the correct answer from the options given below:

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

Options :

68019139045. 1
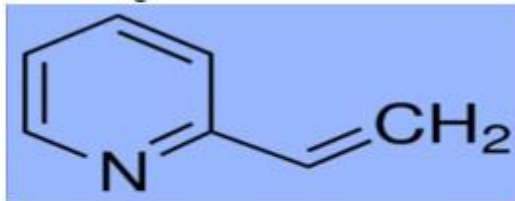
68019139046. 2

68019139047. 3

68019139048. 4

Question Number : 63 Question Id : 6801919911 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Following co-monomer is used in the manufacturing of _____ polymer.

1. Cationic dyeable polyester
2. Cationic dyeable acrylic
3. Anionic dyeable polyester
4. Anionic dyeable acrylic

Options :

68019139049. 1

68019139050. 2

68019139051. 3

68019139052. 4

Question Number : 64 Question Id : 6801919912 Question Type : MCQ Option Shuffling : No Is

Correct Marks : 4 Wrong Marks : 1

Glass Transition temperature of pure Acrylic fibre is ____°C in wet condition which reduces to _____ °C due to the use of co-monomers during the manufacturing of fibres.

1. 80-90; 104
2. 80; -20
3. 104; 80-90
4. 20; -80

Options :

68019139053. 1

68019139054. 2

68019139055. 3

68019139056. 4

Question Number : 65 Question Id : 6801919913 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
A.	Cotton	I.	Circular
B.	Wool	II.	Bean shaped with lumen
C.	Nylon	III.	Polygonal with oval lumen
D.	Hemp	IV.	Seales on surface

Choose the correct answer from the options given below:

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

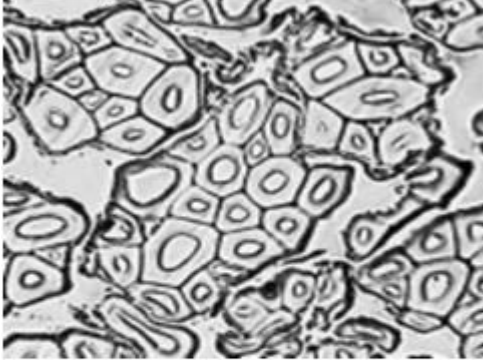**Options :**

68019139057. 1

68019139058. 2

68019139059. 3

68019139060. 4

Question Number : 66 Question Id : 6801919914 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the cross section of the fibre given in the below image.

1. Viscose
2. Spandex
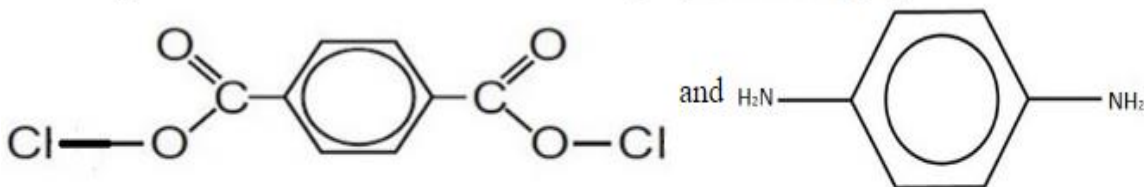3. Wool
4. Jute

Options :

68019139061. 1

68019139062. 2
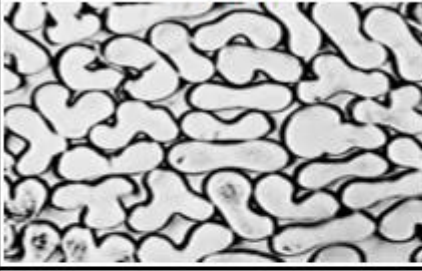
68019139063. 3

68019139064. 4

Question Number : 67 Question Id : 6801919915 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Following monomers are used in the manufacturing of _____ polymer.

1. Aromatic Polyester
2. Aromatic Polyamide
3. Aromatic Polyolefin
4. None of the mentioned options

Options :

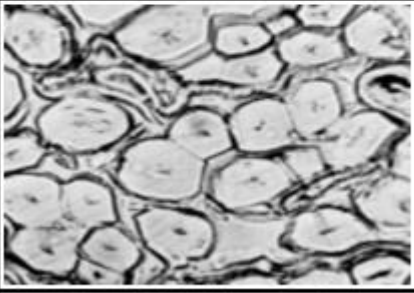68019139065. 1

68019139066. 2
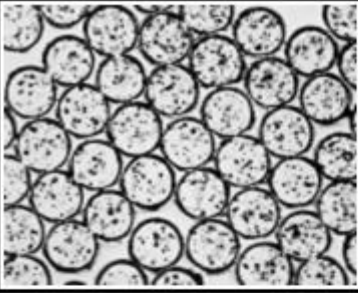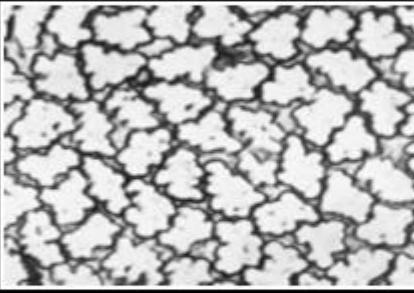
68019139067. 3

68019139068. 4

Question Number : 68 Question Id : 6801919916 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
A.	Polyester	I.	
B.	Viscose	II.	
C.	Acrylic	III.	
D.	Flax	IV.	

Choose the correct answer from the options given below:

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

Options :

68019139069. 1

68019139070. 2

68019139071. 3

68019139072. 4

Question Number : 69 Question Id : 6801919917 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Select the correct sequence observed in the analysis of binary blend is:

1. 1. Removal of Non-fibrous matter
   2. Taking oven dry weight of specimens
   3. Dissolution of weaker fibre in chemical
   4. Applying standard Correction factor if chemical affects the stronger fibre
   5. Totalling conditioned weights of specimens
   6. Calculating the conditioned blend composition of both specimens
   7. Applying standard commercial moisture regain to both the fibres
   8. Reporting the average of two specimens if the difference is less than 02%.
2. 1. Removal of Non-fibrous matter
   2. Dissolution of weaker fibre in chemical
   3. Taking oven dry weight of specimens
   4. Applying standard Correction factor if chemical affects the stronger fibre
   5. Applying standard commercial moisture regain to both the fibres
   6. Totalling conditioned weights of specimens
   7. Calculating the conditioned blend composition of both specimens
   8. Reporting the average of two specimens if the difference is less than 02%.
3. 1. Removal of Non-fibrous matter
   2. Taking oven dry weight of specimens
   3. Dissolution of weaker fibre in chemical
   4. Applying standard Correction factor if chemical affects the stronger fibre
   5. Applying standard commercial moisture regain to both the fibres
   6. Totalling conditioned weights of specimens
   7. Calculating the conditioned blend composition of both specimens
   8. Reporting the average of two specimens if the difference is less than 02%.
4. 1. Removal of Non-fibrous matter
   2. Taking oven dry weight of specimens
   3. Dissolution of weaker fibre in chemical
   4. Applying standard commercial moisture regain to both the fibres
   5. Applying standard Correction factor if chemical affects the stronger fibre
   6. Totalling conditioned weights of specimens
   7. Calculating the conditioned blend composition of both specimens
   8. Reporting the average of two specimens if the difference is less than 02%.

Options :

68019139073. 1

68019139074. 2

68019139075. 3

68019139076. 4

Question Number : 70 Question Id : 6801919918 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

	LIST I		LIST II
A.	Vinyl acetate	I.	Primary monomer
B.	Vinyl pyridine	II.	Neutral co-monomer
C.	Acrylic acid	III.	Basic co-monomer
D.	Acrylonitrile	IV.	Acidic co-monomer

Choose the correct answer from the options given below:

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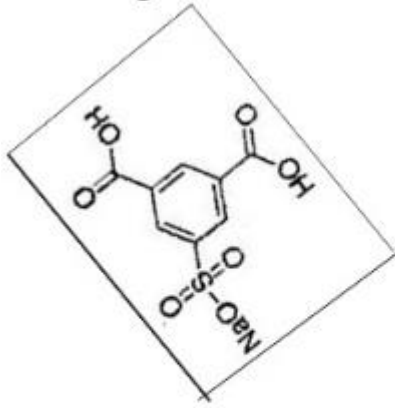
Options :

68019139077. 1

68019139078. 2

68019139079. 3

68019139080. 4

Question Number : 71 Question Id : 6801919919 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Following monomer is used in the manufacture of _____ fibres.

1. Anionic Dyeable Nylon
2. Anionic Dyeable Polyester
3. Cationic Dyeable Polyester
4. Cationic Dyeable Nylon

Options :

68019139081. 1

68019139082. 2

68019139083. 3

68019139084. 4

Question Number : 72 Question Id : 6801919920 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

	LIST I		LIST II
A.	LOY	I.	4500 mt./min.
B.	MOY	II.	3500 mt./min.
C.	POY	III.	2500 mt./min.
D.	FDY	IV.	1500 mt./min.

Choose the correct answer from the options given below:

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

Options :

68019139085. 1

68019139086. 2

68019139087. 3

68019139088. 4

Question Number : 73 Question Id : 6801919921 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find out the blend composition of the given Polyester Cotton belnded fabric whose specimen oven dry weights are as given below.

	Specimen I (Wt. in gm.)	Specimen II (Wt. in gm.)
Oven Dry Wt. of Sample	1.0236	1.1359
Oven Dry Wt. of Polyester(after dissolving Cotton)......(1)	0.3685	0.4260

1. Polyester = 36%
   Cotton = 64%
2. Polyester = 35%
   Cotton = 65%
3. Polyester = 34%
   Cotton = 66%
4. Polyester = 33%
   Cotton = 67%

Options :

68019139089. 1

68019139090. 2

68019139091. 3

68019139092. 4

Question Number : 74 Question Id : 6801919922 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find out the correct statement form the below given set:

(A). Density of PAN is 1.38 gm/cc

(B). Standard moisture regain of Polyamide is 4.5%

(C). Melting point of PET is 256°C

(D). Cotton is soluble in 70% (w/w) Sulphuric acid.

Choose the correct answer from the options given below:

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

Options :

68019139093. 1

68019139094. 2

68019139095. 3

68019139096. 4

Question Number : 75 Question Id : 6801919923 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : Scientific Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

With the help of below given graph find out the correct statements about the effect of Heat setting on the dyeability of Polyester.

Effect of Heat Setting Temperature
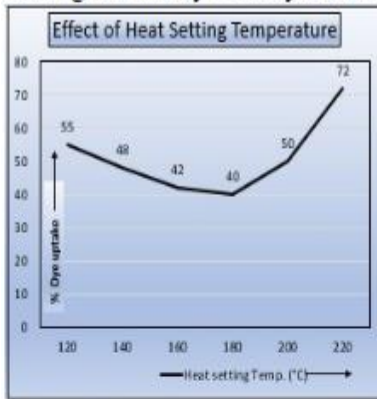
(A). The dye uptake is more at 120°C as the fibre has more amorphous region.
(B). As the heat setting temperature increases from 120°C to 180°C, the number crystalline region increases.
(C). At 180°C, maximum number of small crystalline regions are formed resulting in reduced amorphous regions.
(D). Beyond 180°C, the small crystalline regions starts merging with the adjacent crystallites resulting in increased crystallite size thus reducing the surface area of the crystallite which results in increases surface area of amorphous region leading to increase in dye uptake.
Choose the *correct* answer from the options given below:

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

Options :

68019139097. 1

68019139098. 2

68019139099. 3

68019139100. 4