

## PROVISIONAL ANSWER KEY

Question 80/2024/OL

Paper Code:

Category 238/2023

Code:

Exam: Lecturer in Textile Technology

Date of Test 03-07-2024

Department Technical Education

Question1:-A textile fibre with high tenacity will able to

A:-retain its shape

B:-Withstand heavy pulling force

C:-will produce always yarns of high strength

D:-will shown high value of braking elongation

Correct Answer:- Option-B

Question2:-Fibres with rough surfaces will

A:-withstand high abrasion

B:-show high fibre to fibre cohesion

C:-show high bundle tenacity

D:-produce weaker yarn

Correct Answer:- Option-B

Question3:-Elasticity refer to fibre's ability to

A:-stretching and immediate recovery

B:-stretching with slow elongation

C:-stretching and gradually show partial recovery

D:-such an action to resist breaking

Correct Answer:- Option-A

Question4:-Which group of the fibres listed below decrease tenacity when wet?

A:-Cotton and Silk

B:-Flax and Cotton

C:-Wool and Viscose

D:-Flax and Ramie

Correct Answer:- Option-C

Question5:-Which one is correct among the following relative order of degree of crystallinity for the listed fibres?

A:-Polypropylene > Cotton > Jute > Polyester

B:-Cotton > Jute > Polyester ? Polypropylene

C:-Jute > Cotton > Polypropylene > Polyester

D:-Polyester > Polypropylene > Cotton > Jute

Correct Answer:- Option-A

Question6:-H<sub>2</sub>O<sub>2</sub> bleaching of cotton is carried out

A:-At boil, at acidic p<sup>H</sup>4.5–5.0

B:-At boil, at neutral p<sup>H</sup> 6.5 - 7.0

C:-At 80° - 85° C, at alkaline p<sup>H</sup> 10 - 11

D:-At room temperature, at alkaline p<sup>H</sup> 10 - 11

Correct Answer:- Option-C

Question7:-Cotton fabric dyed with a reactive dye show excellent colour-fastness to wash, but show poor colour fastness to

A:-Dry cleaning fastness

B:-Wet Rubbing / Crocking fastness

C:-Sublimation fastness

D:-Chlorine water fastness

Correct Answer:- Option-D

Question8:-Arrange the following in order of decreasing breaking extension among Silk, Cotton, Jute and Wool

A:-Cotton > Silk > Wool > Jute

B:-Silk > Cotton > Jute > Wool

C:-Wool > Silk > Cotton > Jute

D:-Silk > Cotton > Wool > Jute

Correct Answer:- Option-C

Question9:-Which properties are decreased in textile fabrics that have subjected to durable-press or wash-n-wear finish?

A:-Drape / Softness

B:-Tensile Strength and Tear Strength

C:-Abrasion resistance

D:-All of the above

Correct Answer:- Option-D

Question10:-Low dimensional stability and felting of wool is due to

A:-Less elastic recovery and Low tensile strength

B:-Crimpy structure with High elongation and high elastic recovery

C:-Directional frictional effect of Scales present in wool

D:-Combined effect of Crimp and scales

Correct Answer:- Option-C

Question11:-Mercerisation of cotton fabric is carried out using - at the following

conditions

A:-5 - 10% (w/w) NaOH solution, at room temperature under tension

B:-1% (w/w) NaOH solution, at boil under slack condition

C:-30 - 35% (w/w) NaOH solution, at room temperature under slack

D:-17.5% - 20% (w/w) NaOH solution, at room temperature under tension

Correct Answer:- Option-D

Question12:-The presence of metal ion during  $H_2O_2$  bleaching - causes

A:-Increase rate of peroxide decomposition and non-uniform bleaching is obtained

B:-Decrease in rate of peroxide decomposition and slow but uniform bleaching is obtained

C:-Increase in rate of peroxide decomposition locally where the metal ion acts strongly causing damage to the fabric at that part

D:-To make the bleaching process slower and hence uniform bleaching is obtained

Correct Answer:- Option-C

Question13:-Optical brightening agents works in the following principle to improve whiteness of the fabric

A:-It reflects less yellow light to increase the whiteness

B:-It absorbs specific UV-component of sun light and emit blue light in visible region to improve whiteness of the fabric

C:-It absorbs yellow light and subtract yellowness and thus improves whiteness

D:-It increase the surface lusture by increased regular reflections and thus improves whiteness of the fabric surface

Correct Answer:- Option-B

Question14:-Choose the correct set of given Melting point and Glass transition temperatures for any of the particular fibres :

A:-Polyester -  $T_m$  is  $215^\circ c$ , and  $T_g$  is  $80^\circ c$

B:-Nylon 6 -  $T_m$  is  $250^\circ c$ , and  $T_g$  is  $85^\circ c$

C:-Acrylic -  $T_m$  is  $\gg 400^\circ c$ , and  $T_g$  is  $20^\circ c$

D:-Polypropelene -  $T_m$  is  $165^\circ c$ , and  $T_g$  is  $-20^\circ c$

Correct Answer:- Option-D

Question15:-Which type of feed yarn is preferred for draw-texturing to be done by false twist technique?

A:-Fully drawn yarn having high crystallinity and high softening temperature

B:-Partially oriented yarn having Low crystallinity and Low softening temperature and low residual draw ratio

C:-Medium oriented yarn having medium crystallinity and medium softening temperature

D:-Aspun filament yarn having lvery less crystallinity and high residual draw ratio

Correct Answer:- Option-B

Question16:-Arrange the following fibres according the decreasing order of tensile strength - Tick Correct Option of order amongst options 1, 2, 3 and 4 given below :

Fibre type                      Decreasing order of tensile strength of the mentioned fibres

A:-(a) Cotton                      (1) (d), (a), (b), (c)

B:-(b) Viscose                      (2) (b), (d), (a), (c)

C:-(c) Wool                      (3) (c), (d), (a), (b)

D:-(d) Nylon                      (4) (b), (a), (d), (c)

Correct Answer:- Option-A

Question17:-Match the following Specific high performance textile fibres and their special end uses for designing and manufacturing specific Technical / functional textile products :

Fibre type                      End Uses/Technical Textile Products type

(m) Kevlar/Nomex Fibres

(w) High Temperature Resistant Composites

(n) Carbon Fibres

(x) Factory Chimney's Fire Retardant Hot

Smoke

Filter Bag

(o) Elastane/Spandex/Lycra Fibres

(y) Dense woven light weight umbrella and rain-coat fabrics

(p) Microdenier Polyester Fibres

(z) Stretch to Fit wear clothing with blends of other fibres

Tick Correct Option amongst 1, 2, 3 and 4 as given below :

A:-mw, nx, oy, pz

B:-mx, nw, oz, py

C:-my, nw, oy, pz

D:-my, nw, oz, px

Correct Answer:- Option-B

Question18:-Match the following Dyeing Process for specific class of dye and suitable class of Dyeing auxiliaries to be used for that dyeing :

Dye Class and Dyeing process

Main Dyeing Auxialiries used

(m) Direct Dyeing of Cotton

(w) Formic Acid

(n) Reactive Dyeing of Cotton

(x) Dispersing agent

(o) Acid Dyeing of Wool

(y) Common Salt

- (p) Disperse Dyeing of Polyester      (z) Sodium Hydroxide

Tick Correct Option options amongst 1, 2, 3 and 4 :

A:-my, nz, ow, px

B:-my, nw, oy, pz

C:-my, nw, oz, px

D:-mx, nw, oz, py

Correct Answer:- Option-A

Question19:-Match the following Chemicals used for pigment printing of Textiles with the specific purpose of using that Chemical in preparing print paste for pigment printing of textiles :

Main Printing chemicals and auxiliary Purpose of using specific chemicals in print paste

used in preparing pigment print paste

(m) Acramin SLN emulsion      (w) To Prepare oil in water Thickener

(n) DAP (Di-Ammonium Phosphate)      (x) Binder to fix colour and all at designed part

(o) Fixer-CCL (Melamin Formaldehyde Resin)      (y) Catalyst to catalyse binder to fix to the Fibre

Resin)

(p) Kerosine / Whit Oil

(z) Colour Fixation agent to improve rub-

fastness

Tick Correct Option options amongst 1, 2, 3 and 4 :

A:-mw, nx, oy, pz

B:-my, nw, oy, pz

C:-mx, nw, oz, py

D:-mx, ny, oz, pw

Correct Answer:- Option-D

Question20:-Match the following Chemical Finishes of textiles with the suitable class of Chemical agent to be used for that finish :

Finish type	Main Chemical class used for those Finishes
(m) Crease Resistant Finish	(w) Poly-oxo ethylene
(n) Softening	(x) Dimethyl Poly-Siloxane
(o) Fire Retardancy finish	(y) DMDHEU resin
(p) Water Repellant Finish	(z) Phosphate + Urea

Tick Correct Option options amongst 1, 2, 3 and 4 :

A:-mw, nx, oy, pz

B:-my, nw, oy, pz

C:-my, nw, oz, px

D:-mx, nw, oz, py

Correct Answer:- Option-C

Question21:-Transfer efficiency is defined as

A:-The amount of fiber transferred from the Liker in to the cylinder per rotation of the cylinder

B:-The amount of fiber transferred from the feed roller to the liker in per rotation of the liker in

C:-The amount of fiber transferred from the cylinder to the flat per rotation of the cylinder

D:-The amount of fiber transferred from the cylinder to the differ per rotation of the cylinder

Correct Answer:- Option-D

Question22:-The degrees of combing, 'half combing', which involves

A:-Up to 5% noil is extracted

B:-Up to 9% noil is extracted

C:-Noil between 10% and 18% is extracted

D:-Noil greater than 18% is extracted

Correct Answer:- Option-B

Question23:-The development of linear programming technique (LPT) is associated with

A:-For Cotton Mixing

B:-Machine efficiency

C:-Percentage of Waste extraction

D:-Yarn quality

Correct Answer:- Option-A

Question24:-Determine the Intensity of opening of a beater having a production rate of 500 Kg/h and beater speed of 400 rpm. Number of teeth is approximately 23000

A:-0.846 mg

B:-0.906 mg

C:-0.723 mg

D:-0.673 mg

Correct Answer:- Option-B

Question25:-Doffing disposition typical arrangement between

A:-Cylinder and flats

B:-Cylinder and doffer

C:-Taker in and cylinder

D:-Taker in and mote knives

Correct Answer:- Option-C

Question26:-Yarn fault Neppy yarn in the ring yarn states

A:-Very short fault of more than 200% of the yarn diameter

B:-Very small snarl like places in yarn which disappear when pulled with enough tension

C:-Presence of black specs of broken seeds, leaf bits and trash in yarn

D:-Yarn which is weak indicating lesser twist

Correct Answer:- Option-A

Question27:-Which process is considered as the heart of the spinning process?

A:-Ring spinning

B:-Carding

C:-Combing

D:-Drawing

Correct Answer:- Option-B

Question28:-The CV% of 3-ply yarn produced using a single yarn CV of 8.6% will be approximately \_\_\_\_\_

A:-9.81

B:-5.66

C:-4.97

D:-6.73

Correct Answer:- Option-C

Question29:-The diameters of the back, middle, and front rollers are 27 mm, 27 mm, and 30 mm, respectively. The break and main draft of the ring frame are 1.14 and 20, respectively. Find out the wave length of the fault in cm if the back roller of the ring frame is eccentric

A:-8.47 cm

B:-9.66 cm

C:-193.30 cm

D:-206.40 cm

Correct Answer:- Option-C

Question30:-The section of circumferential surface that does the combing is called

A:-The half-lap

B:-The noil

C:-The Nipper

D:-The detaching

Correct Answer:- Option-A

Question31:-According to the ASTM (ASTM, 1994, 1995), "one or more fibres occurring in a tangled and unorganized mass" is defined as

A:-motes

B:-flock

C:-nep

D:-tuft

Correct Answer:- Option-C

Question32:-Match the items in List I with those in List II :

- |                        |                            |
|------------------------|----------------------------|
| (a) Yarn hairiness     | 1. Floating fibre          |
| (b) Drafting wave      | 2. Eccentric bottom roller |
| (c) Roller slip        | 3. Spinning triangle       |
| (d) Periodic variation | 4. Low roller pressure     |
|                        | 5. Immatured fibre         |
|                        | 6. Short fibre             |

Codes :

A:-(a)-2, (b)-4, (c)-6, (d)-1

B:-(a)-3, (b)-1, (c)-4, (d)-2

C:-(a)-6, (b)-5, (c)-3, (d)-4

D:-(a)-4, (b)-1, (c)-2, (d)-6

Correct Answer:- Option-B

Question33:-In term of degrees shore associated with

A:-Roller centricity

B:-Roller arrangement

C:-Roller pressure

D:-Roller hardness

Correct Answer:- Option-D

Question34:-Determine the yarn realization percentage of 26 Ne carded yarn. Blow room waste : 5.4%; card waste : 4.5%; sweep waste : 1.4%; pneumafil and roller waste (ring frames) : 2%; and invisible loss : 0.5%

A:-86.5%

B:-83.6%

C:-88.2%

D:-86.2%

Correct Answer:- Option-C

Question35:-The achievable Carded yarn CSP for a given FQI of cotton under optimum twist factor is given by the expression, where C is the count spun

A:-Lea CSP =  $320(\sqrt{FQI + 1}) - 13C$

B:-Lea CSP =  $[320(\sqrt{FQI + 1}) - 13C](1 + W/100)$

C:-Lea CSP =  $320(FQI + 1) - 13C$

D:-Lea CSP =  $[320(\sqrt{FQI + 1}) - 13C](1 - W/100)$

Correct Answer:- Option-A

Question36:-The breaking force of the material under test, divided by the linear

density of the unstrained material, is called

A:-Modulus

B:-Fineness

C:-Tenacity

D:-Breaking elongation

Correct Answer:- Option-C

Question37:-Blending homogeneity could be expressed as

A:-Index of blend irregularity

B:-Limiting irregularity

C:-Coefficient of variation

D:-Unevenness

Correct Answer:- Option-A

Question38:-In the Murata air-jet spinning system

A:-Both counter clockwise vortexes are set up in jet 1 to give a Z-S false-twisting action, and in jet 2, they give an S-Z action

B:-Both clockwise vortexes are set up in jet 1 to give a Z-S false-twisting action, and in jet 2, they given an S-Z action

C:-Counter clockwise vortex is set up in jet 1 to give a Z-S false-twisting action, and a clockwise vortex in jet 2 gives an S-Z action

D:-Counter clockwise vortexe is set up in jet 1 to give a Z-S real-twisting action, and a clockwise vortex in jet 2 gives an S-Z action

Correct Answer:- Option-C

Question39:-The majority of the seed particles are eliminated in

A:-Blow room

B:-Card

C:-Draw frame

D:-Comber

Correct Answer:- Option-B

Question40:-In ISO standards, approximately defining the traveller number as the mass in grams of

A:-50 Traveller

B:-100 Traveller

C:-1000 Traveller

D:-5000 Traveller

Correct Answer:- Option-C

Question41:-In case of drum-driven winder, the wind per double traverse with time

A:-First increases and then decreases

B:-Remains constant

C:-Decreases

D:-Increases

Correct Answer:- Option-C

Question42:-In stockport systems the reed count is expressed as

A:-Number of dents/10"

B:-Number of dents/2"

C:-Number of dents/8 cm

D:-Number of dents/2 mm

Correct Answer:- Option-B

Question43:-If the warp beam contains 550 ends and length of warp is 10500 yards and count is 21 Ne, what is the weight of warp in kilograms?

A:-100 Kg

B:-148.8 Kg

C:-120.5 Kg

D:-200.3 Kg

Correct Answer:- Option-B

Question44:-In case of 500 end double lift single cylinder Jacquard consists of

A:-500 hooks and 500 needles

B:-500 hooks and 1000 needles

C:-1000 hooks and 1000 needles

D:-1000 hooks and 500 needles

Correct Answer:- Option-D

Question45:-Find out the loom speed and weft insertion rate of loom if the average velocity of the shuttle is 40 Km/hr and the degree of crank shaft rotation available for the shuttle across the shed is  $135^\circ$ , shuttle length is 40 cm and the width of the warp in the reed is 1.5 mtrs

A:-104.15 picks/min and 249.96 m/min

B:-90 picks/min and 200 m/min

C:-105 picks/min and 210 m/min

D:-80 picks/min and 180 m/min

Correct Answer:- Option-A

Question46:-In case of double lift single Jacquard machine to control one warp end

A:-One griffe and one hook is used

B:-One griffe and two hooks are used

C:-Two griffe and two hooks are used

D:-Two griffe and one hook is used

Correct Answer:- Option-C

Question47:-The production rate of non woven is highest in the following technique

A:-Spun bonding

B:-Needle punching

C:-Thermal bonding

D:-Hydro entangling

Correct Answer:- Option-A

Question48:-The weft density at selvages is doubled in case of

A:-Leno selvages

B:-Fused selvages

C:-Tucked-in-selvages

D:-Chain stitch selvages

Correct Answer:- Option-C

Question49:-Higher the stretch on the yarn during sizing process affects

A:-Increases the breakage rate and reduces weaving efficiency

B:-Does not affect the weaving efficiency

C:-Increase the weaving efficiency

D:-Decreases the breakage rate and increases the weaving efficiency

Correct Answer:- Option-A

Question50:-The loop length in a flat bed knitting machine is controlled by

A:-Guard Cam

B:-Stitch cam

C:-Raising cam

D:-Clearing cam

Correct Answer:- Option-B

Question51:-In shuttle less weaving machines in terms of weft insertion rate which of the following is correct

A:-Multiphase > Air Jet > Water Jet > Projectile

B:-Air Jet > Water Jet > Multiphase > Projectile

C:-Projectile > Water Jet > Air Jet > Multiphase

D:-Multiphase > Projectile > Water Jet > Air Jet

Correct Answer:- Option-A

Question52:-The process of sizing of warp yarns

A:-Improves weaveability

B:-Increases the breaking extension of sized yarn

C:-Add value to warp yarn

D:-Increases the strength of dyed fabric

Correct Answer:- Option-A

Question53:-The ratio of the length of crank to the length of connecting rod increases leads to

A:-No change in Sley Eccentricity

B:-Decrease in Sley Eccentricity

C:-Initial increases and then decrease in Sley Eccentricity

D:-Increase in Sley Eccentricity

Correct Answer:- Option-D

Question54:-In air jet weaving the propelling force generated for insertion of weft is independent of the

A:-Length of the yarn

B:-Count of the yarn

C:-Strength of the yarn

D:-Velocity of the yarn

Correct Answer:- Option-C

Question55:-In weft knitted fabrics of the same mass per unit area produced from the same yarns, the structure which will give the highest thickness is

A:-Rib

B:-Plain

C:-Purl

D:-Inter lock

Correct Answer:- Option-D

Question56:-To produce Non wovens using Hydro entanglement technique the types of fibre preferred is

A:-Hydrophilic, fine and oval in cross section

B:-Hydrophilic, long and round in cross section

C:-Hydrophilic, fine, long and round in cross section

D:-Hydrophobic, long and round in cross section

Correct Answer:- Option-A

Question57:-The Jacquard has 400 hooks and designed to weave a fabric with 32 ends/cm. Then the size of the repeat would be

A:-6 cm

B:-12.5 cm

C:-25 cm

D:-30.5 cm

Correct Answer:- Option-B

Question58:-In high speed warping machine Quick response powerful brake is necessary

"select the incorrect reason from the following" :

A:-Machine vibrations can be minimised

B:-Burried end may results

C:-The inertia of the beam is very high

D:-Warping process is irreversible

Correct Answer:- Option-A

Question59:-The lightest fibre amongst the following is

A:-Ultra high molecular weight polyethylene

B:-Carbon

C:-Kevlar

D:-Basalt

Correct Answer:- Option-A

Question60:-For bicycle frames made of composites which of the following fibre is highly preferred as reinforcement

A:-Nomex

B:-Glass

C:-Kevlar

D:-Carbon

Correct Answer:- Option-D

Question61:-The square set fabric with same rate of advancement in both directions gives the twill angle of \_\_\_\_\_

A:-45 degree

B:-30 degree

C:-60 degree

D:-15 degree

Correct Answer:- Option-A

Question62:-Which of the following statements are correct with respect to point draft in fabric design?

(i) Number of heald shafts used in about two times less than the warp repeat of the weave.

(ii) Larger strain on warp, leading to low loom efficiency.

(iii) Each end is drawn in separate heald up to half of the design, and reversed thereof.

(iv) Increased in figuring capacity.

A:-Only (i), (ii) and (iii)

B:-Only (ii), (iii) and (iv)

C:-Only (i), (iii) and (iv)

D:-All of the above (i), (ii), (iii) and (iv)

Correct Answer:- Option-C

Question63:-The draft employed for production of check and stripe designs, in which the stripes have different weaves or their combinations is \_\_\_\_\_

A:-Divided draft

B:-Grouped draft

C:-Point draft

D:-Broken draft

Correct Answer:- Option-B

Question64:-Which of these factors gives more prominence to the twill lines in fabric with twill weave design?

(i) 3/1 twill design

(ii) 2/2 twill design

(iii) Z twill with Z twist yarn

(iv) Z twill with S twist yarn

A:-Only (ii) and (iii)

B:-Only (ii) and (iv)

C:-Only (i) and (iv)

D:-All of the above (i) and (iii)

Correct Answer:- Option-C

Question65:-Among these, which can be the repeat size and the draft of Brighton honey comb weave?

A:-12 × 12 with straight draft

B:-8 × 8 with point draft

C:-6 × 6 with straight draft

D:-10 × 10 with point draft

Correct Answer:- Option-A

Question66:-Which of the following statements are correct with respect to honey comb weave fabric?

A:-Only warp threads float freely on both sides

B:-Only weft threads float freely on both sides

C:-Either warp or weft threads float freely on both sides

D:-Both the warp and the weft threads float freely on both sides

Correct Answer:- Option-D

Question67:-The loom equipment necessary for manufacturing pique structures with wadded designs are \_\_\_\_\_

(i) Dobby loom with two warp beams

(ii) Loose reed beat up mechanism

(iii) Fast reed beat up mechanism

(iv) 2 X 2 drop box

A:-Only (i) and (ii)

B:-Only (i) and (iii)

C:-Only (i), (ii) and (iv)

D:-Only (i), (iii) and (iv)

Correct Answer:- Option-D

Question68:-Which of the following statement is incorrect with respect to the wadding ends in bed ford cords?

A:-Wadding ends are generally finer than principal warp yarns

B:-They increase the bulk of the fabric

C:-They lie perfectly straight between the ridges of their respective cords and the floating weft at the back

D:-They tend to increase the prominence of the cord effect

Correct Answer:- Option-A

Question69:-Which of the following method is/are used to construct self stitched double cloths?

(i) Stitching from face to back

(ii) Stitching from back to face

(iii) Combination stitching

A:-Only (i) and (iii)

B:-Only (ii) and (iii)

C:-Only (iii)

D:-All of the above (i), (ii) and (iii)

Correct Answer:- Option-D

Question70:-The fabrics constructed by reversing a small unit of the weave, in which the weaves are in sections and tend to oppose each other is \_\_\_\_\_

A:-Bedford cord fabric

B:-Perforated fabrics

C:-Pique fabric

D:-Toilet quilt fabric

Correct Answer:- Option-B

Question71:-Garments can be classified as panty wear, cargo pant, thigh wear and stockings based on the \_\_\_\_\_

A:-Shape and styling of garment

B:-Season

C:-Length of garment

D:-Method of manufacture

Correct Answer:- Option-C

Question72:-According to the Eight head theory, \_\_\_\_\_ head is important for full length garments like trousers

A:-5th

B:-6th

C:-7th

D:-8th

Correct Answer:- Option-C

Question73:-All the patterns in the marker plan should be kept such that the grain line in the pattern should be parallel to the fabric selvedge for \_\_\_\_\_

A:-Better hanging and draping of garments

B:-Minimising wastage of fabric

C:-Operator convenience with respect to marker planning

D:-Optimising pattern profile/shape

Correct Answer:- Option-A

Question74:-\_\_\_\_\_ is the upper part of the feeding combination that holds/grips the fabric in place for the feeding action and stitch formation

A:-Presser dial

B:-Throat plate

C:-Looper

D:-Presser foot

Correct Answer:- Option-D

Question75:-\_\_\_\_\_ is normally engaged for accurate cutting of the finest shapes of garment components

A:-Round knife

B:-Band knife

C:-Straight knife

D:-Servo assisted straight knife

Correct Answer:- Option-B

Question76:-As per ISO 4916 : 1991 system of seam classification, the class 2 seam refers to \_\_\_\_\_

A:-Flat seam

B:-Superimposed seam

C:-Lapped seam

D:-Bound seam

Correct Answer:- Option-C

Question77:-According to the British standard, \_\_\_\_\_ is categorized as hand stitches

A:-Class 100

B:-Class 200

C:-Class 300

D:-Class 400

Correct Answer:- Option-B

Question78:-Which of the following statements are correct with respect to type of pressing of garments?

- (i) Top pressing refers to the finishing operation which garment undergoes after being completely assembled.
- (ii) Edge pressing before top-stitching comes in the category of top pressing.
- (iii) Electric steam iron can be used for under pressing operation.

A:-Only (i) and (iii)

B:-Only (ii) and (iii)

C:-Only (i) and (ii)

D:-All of the above (i), (ii) and (iii)

Correct Answer:- Option-A

Question79:-Which principle of fashion design refers to the contrasting colour such as black dress with white collar in the garment?

A:-Balance

B:-Proportion

C:-Rhythm

D:-Emphasis

Correct Answer:- Option-D

Question80:-Which of the following statements are correct with respect to fashion design?

- (i) Decorative designs are drawn by the beginners as well as boutique designers
- (ii) Decorative design does not need a croque
- (iii) Structural design is the fundamental component of design
- (iv) Structural designs are drawn by the designers in the buying house

A:-Only (i), (iii) and (iv)

B:-Only (ii), (iii) and (iv)

C:-Only (i), (ii) and (iii)

D:-All of the above (i), (ii), (iii) and (iv)

Correct Answer:- Option-A

Question81:-The method used for sampling the fibres in a yarn

A:-Cut square method

B:-Random draw method

C:-Core sampling

D:-Zoning

Correct Answer:- Option-A

Question82:-The type of distribution curve which is symmetrical about a central value

- A:-Skew distribution curve
- B:-J shaped distribution curve
- C:-Bell shaped distribution curve
- D:-U shaped distribution curve

Correct Answer:- Option-C

Question83:-Which factor do not affect the moisture regain of textile products.

- A:-Time
- B:-Relative humidity
- C:-Previous history of the material
- D:-Sample size

Correct Answer:- Option-D

Question84:-When 2.5% span length of cotton sample was measured on a fibrograph, the result was 25 mm. This indicates.

- A:-2.5 % of fibres clamped are longer than 25 mm
- B:-2.5% of fibres clamped are 25 mm is length
- C:-2.5% of fibres clamped are 25 mm or longer
- D:-2.5% of fibres clamped are less than 25 mm

Correct Answer:- Option-B

Question85:-The micronaire value of a cotton sample is dependent on both the fibre

- A:-Length and Fineness
- B:-Fineness and Maturity
- C:-Maturity and Length
- D:-None of the above

Correct Answer:- Option-B

Question86:-Short fibre content referred to as Short Fibre Index (SFI) is derived by the instrument

- A:-AFIS
- B:-Fibrograph
- C:-Peyer Almeter
- D:-HVI

Correct Answer:- Option-D

Question87:-In the tex count system, the relationship that results between twist, twist factor, and yarn count is

- A:-Twist per meter = Twist factor  $\sqrt{tex}$
- B:-Twist per inch = Twist factor/ $\sqrt{tex}$

C:-Twist per metre = Twist Factor/ $\sqrt{tex}$

D:-Twist per inch = Twist Factor  $\sqrt{tex}$

Correct Answer:- Option-C

Question88:-In classimat yarn faults classification A2 counts all faults shorter than 1 cm whose linear density is more than \_\_\_\_\_ of the average linear density of

A:-50%

B:-250%

C:-100%

D:-150%

Correct Answer:- Option-D

Question89:-In a zweigle yarn hairiness tester the number of hairs is counted simultaneously by a set of

A:-Photocells

B:-Electron beams

C:-Piezoelectric sensors

D:-IR detectors

Correct Answer:- Option-A

Question90:-The fabric weight per square meter is calculated using following the formula

A:-GSM = Weight of the sample in gram  $\times$  1000 / Area of sample in  $\text{cm}^2$

B:-GSM = Weight of the sample in gram  $\times$  100/ Area of sample in  $\text{cm}^2$

C:-GSM = Weight of the sample in gram  $\times$  10,000/ Area of sample in  $\text{cm}^2$

D:-None of the above

Correct Answer:- Option-C

Question91:-Elmendorf tear tester pendulum is having the maximum potential energy

A:-When the moving clamp is not in alignment with fixed clamp

B:-When the moving jaw moves away from the fixed one

C:-When the moving clamp is in alignment with fixed clamp

D:-When the pendulum is at the lowest position

Correct Answer:- Option-C

Question92:-In ICI pilling box testing the pilling grade rating 4 gives sample descriptions as

A:-Significant change

B:-Slight change

C:-No change

D:-Severe change

Correct Answer:- Option-B

Question93:-The correction factor of divergence of light rays (K) for calculating the area of drape pattern is

A:-0.55

B:-0.91

C:-1.9

D:-1.09

Correct Answer:- Option-B

Question94:-The needle bearings are used in

A:-Tin-roller

B:-Card cylinder

C:-Beater

D:-Bottom drafting roller

Correct Answer:- Option-D

Question95:-The lowest temperature at which a lubricant gives off enough vapour and ignites for a moment when a small flame is brought near it

A:-Flash point

B:-Pour point

C:-Fire point

D:-Ignite point

Correct Answer:- Option-A

Question96:-In a micrometer one division on the thimble represent

A:-0.01 mm

B:-0.1 mm

C:-0.5 mm

D:-0.05 mm

Correct Answer:- Option-A

Question97:-The knife edge approach of static balance is very effective for

A:-Multi plane rotor

B:-Heavy rotor operating at high speeds

C:-Light weight single plane rotor operating at low speed

D:-Light weight rotor operating at very high speeds

Correct Answer:- Option-C

Question98:-The good value of illumination recommended for blow room implemented by all modern mills in India is

A:-200 lux

B:-50 lux

C:-500 lux

D:-None of the above

Correct Answer:- Option-A

Question99:-These store items needed for a spinning mill are reviewed according to a review calendar established by the store and purchase department

A:-Standard consumables

B:-Insurance items

C:-Overhauling items

D:-Repairable spares

Correct Answer:- Option-A

Question100:-The vane anemometer gives the air flow measurement inside a cotton weaving mill in the speed range of

A:-1 to 50 m/s

B:-0.3 to 5 m/s

C:-Above 50 m/s

D:-None of the above

Correct Answer:- Option-B