

FINAL ANSWER KEY

Question 85/2023/OL

Paper Code:

Category 753/2021

Code:

Exam: Tradesman (Textile Technology)

Date of Test 15-06-2023

Department Technical Education

Question1:-The ash of cotton after burning will be

A:-Screen like skeleton of original sample

B:-Crisp dark ash

C:-Light feathery grayish

D:-Round, crisp, shiny black beads

Correct Answer:- Option-C

Question2:-5% caustic soda at boil dissolves _____ fibre.

A:-Wool

B:-Cotton

C:-Nylon

D:-Viscose

Correct Answer:- Option-A

Question3:-An example for fruit fibre is

A:-Banana fibre

B:-Coir fibre

C:-Jute fibre

D:-Pine apple fibre

Correct Answer:- Option-B

Question4:-Linen feels cooler to touch than cotton because

A:-Linen is a natural fibre.

B:-Linen is a better conductor of heat than cotton.

C:-Linen has high strength.

D:-Linen has high degree of polymerization.

Correct Answer:- Option-B

Question5:-_____ is obtained by the polymerization of caprolactum.

A:-Nylon 66

B:-Polyester

C:-Acrylic

D:-Nylon 6

Correct Answer:- Option-D

Question6:-The length unit of English cotton system is

A:-Hank of 1000 metres

B:-Hank of 840 yards

C:-Hank of 560 yards

D:-Hank of 840 metres

Correct Answer:- Option-B

Question7:-If 30s yarn has a CSP of 1800 hanks it means

A:-A skein of 30s yarn could support the weight of 1800 hanks of the same yarn.

B:-A lea of 30s yarn could support the weight of 1800 hanks of the same yarn.

C:-A yard of 30s yarn could support the weight of 1800 hanks of the same yarn.

D:-A metre of 30s yarn could support the weight of 1800 hanks of the same yarn.

Correct Answer:-**Question Cancelled**

Question8:-_____ is the expression used to express the irregularity in the material.

A:-Coefficient of variation

B:-Count

C:-Cover factor

D:-Crimp

Correct Answer:- Option-A

Question9:-What is the length of 2.5 lbs of 30s cotton yarn?

A:-60 hanks

B:-12 hanks

C:-15 hanks

D:-75 hanks

Correct Answer:- Option-D

Question10:-Polyester is made by polymerization of

A:-Ethylene glycol and terephthalic acid

B:-Hexamethylene diamine and adipic acid

C:-Ethylene glycol

D:-Acrylo nitrile

Correct Answer:- Option-A

Question11:-In saw gin the seed cotton is fed to the feed lattice and carried forward

to

A:-Spiked roller

B:-Saws

C:-Cage

D:-Grid

Correct Answer:- Option-A

Question12:-The ginning percentage is higher with _____ gin.

A:-Saw gin

B:-Macarthy gin

C:-Roller gin

D:-None of these

Correct Answer:- Option-C

Question13:-_____ is an example for hank of sliver.

A:-1.0

B:-0.01

C:-0.15

D:-0.001

Correct Answer:- Option-C

Question14:-The cleaning efficiency of Crighton and Porcupine beaters with coarse counts is about

A:-50% to 60%

B:-40% to 45%

C:-20% to 25%

D:-5% to 10%

Correct Answer:- Option-A

Question15:-_____ is the disentanglement of compressed fibre packages into single fibres.

A:-Cleaning

B:-Mixing

C:-Blending

D:-Opening

Correct Answer:- Option-D

Question16:-The function of licker in is

A:-To separate the tufts in the lap into smaller tufts.

B:-No foreign matter can interfere with the cotton.

C:-To determine the amount of percentage of flat waste.

D:-To govern the quality of the web.

Correct Answer:- Option-A

Question17:-_____ is a disadvantage of chute feed system.

A:-Less material handling

B:-Frequent change in mixing

C:-No lap preparation

D:-Feeding loose tufts at the card

Correct Answer:- Option-B

Question18:-Main carding action takes place between

A:-Cylinder and doffer

B:-Cylinder and licker in

C:-Cylinder and flats

D:-Licker in and flats

Correct Answer:- Option-C

Question19:-The process of sharpening the metallic wire on carding machine is known as

A:-Stripping

B:-Grinding

C:-Burnishing

D:-Setting

Correct Answer:- Option-B

Question20:-The function of doffer is

A:-To absorb the carded fibres coming down from the flats on the cylinder wires.

B:-To remove the web of fibres from the doffer with the minimum disturbance.

C:-To draw the web away at a uniform rate.

D:-To provide the opening for stripping and grinding the cylinder.

Correct Answer:- Option-A

Question21:-Function of autoleveller on draw frame is

A:-To correct the errors at the start of the process.

B:-To improve the speed.

C:-To control short term and medium term variation.

D:-None of these.

Correct Answer:- Option-C

Question22:-_____ drafting system gives more protection against roller slippage in draw frame.

A:-4 over 5

B:-2 over 2

C:-3 over 3

D:-2 over 3

Correct Answer:- Option-A

Question23:-In a 3 over 5 drafting system the _____ roller is having the largest diameter.

A:-Front roller

B:-^{2nd} roller

C:-^{3rd} roller

D:-Bottom roller

Correct Answer:- Option-A

Question24:-The normal web drafts recommended for cotton counts up to 24s is

A:-0.98 to 1.00

B:-1.00 to 1.02

C:-0.99 to 1.00

D:-0.96 to 0.97

Correct Answer:- Option-D

Question25:-Removal of cracks and roughness of the cots surface by grinding the surface of the cot is known as

A:-Buffing

B:-Grinding

C:-Leveling

D:-Stripping

Correct Answer:- Option-A

Question26:-The number of heads on comber machine is

A:-6

B:-8

C:-10

D:-12

Correct Answer:-**Question Cancelled**

Question27:-If no short fibre is removed by combing from the lap the fractionating efficiency percentage is

A:-100

B:-0

C:-50

D:-1

Correct Answer:- Option-A

Question28:-The reason for higher U% of draw frame sliver is

- A:-Lesser movement of belt on cone drums
- B:-Higher stretch and lower twist in roving
- C:-Finer hank
- D:-Inadequate top roller pressure

Correct Answer:- Option-D

Question29:-The number of doublings in the draw frame should be

- A:-Half of draft
- B:-Double of draft
- C:-Equal to draft
- D:-One and half of the draft

Correct Answer:- Option-C

Question30:-Apron controls _____ fibres while drawing.

- A:-Fine
- B:-Floating
- C:-Bulk
- D:-Coarse

Correct Answer:- Option-B

Question31:-In a Ring spinning, the ratio of the surface speed of the front rollers to that of the back rollers give the amount of:

- A:-Built
- B:-Wind
- C:-Twist
- D:-Draft

Correct Answer:- Option-D

Question32:-Which of the following statement is correct about Ring frame?

- A:-The main object of Ring frame are drafting, twisting and building.
- B:-The ratio of the surface speed of the front roller to that of the back rollers gives the amount of winding.
- C:-The speed of Traveller determines the number of draft introduce per minute.
- D:-The difference between the spindle and traveler speed is responsible for twisting.

Correct Answer:- Option-A

Question33:-The angle of inclination of rolls in the Ring frame is:

- A:-20° to 55°
- B:-15° to 45°
- C:-15° to 25°

D:-15° to 65°

Correct Answer:-**Question Cancelled**

Question34:-_____ is an important factor is determining the yarn tension during twisting phase in Ring Spinning.

A:-Pigtail guide distance

B:-Ring weight

C:-Traveler weight

D:-Ring Flange width

Correct Answer:- Option-C

Question35:-In the ring spinning, the element, which is a small piece of steel wire bent in the form of letter 'C' is called:

A:-Traverse

B:-Traveler

C:-Thread guide

D:-Pig tail guide

Correct Answer:- Option-B

Question36:-Which type of twist is inserted in yarn, when the spindle rotates clockwise direction?

A:-"S" Twist

B:-"Z" Twist

C:-Z + S Twist

D:-Z + Z Twist

Correct Answer:- Option-B

Question37:-The multitude of fibre ends and fibre loops protruding from the body of yarn is known as:

A:-Pilling

B:-Crackers

C:-Slubs

D:-Hairiness

Correct Answer:- Option-D

Question38:-Name the device used in high speed cone winding machine for reducing the frequency of yarn breakage practical minimum?

A:-Tensioner

B:-Slubcatcher

C:-Balloon Breaker

D:-Automatic thread motion device

Correct Answer:- Option-C

Question39:-Wild yarn defect is caused due to:

- A:-Worn out rotating brush on the traveler
- B:-Repeated knotter failure
- C:-Faulty release of yarn after knotting
- D:-Deep cut in yarn path

Correct Answer:- Option-A

Question40:-How many coils are there in one lea of Ne cotton yarn?

- A:-120
- B:-840
- C:-80
- D:-7

Correct Answer:- Option-C

Question41:-In a clock measuring device, each small division indicates _____.

- A:-5 Yards
- B:-10 Yards
- C:-1 Yard
- D:-100 Yards

Correct Answer:- Option-C

Question42:-Name the type of creel used in Schlafhorst warping machine?

- A:-Magazine Creel
- B:-"V" Creel
- C:-Rectangular
- D:-Semi-circular creel

Correct Answer:-**Question Cancelled**

Question43:-The Pirn winding speed of automatic and fully automatic machine varies from:

- A:-16000 Rmp to 32000 Rpm
- B:-4000 Rmp to 16000 Rpm
- C:-6000 Rmp to 12000 Rpm
- D:-32000 Rmp to 34000 Rpm

Correct Answer:- Option-C

Question44:-Write the Formula for finding the Number of section to be made in sectional warping machine.

- A:- $Number\ of\ section = \frac{(Creel\ Capacity)}{(Total\ No\ of\ ends)}$
- B:- $Number\ of\ section = \frac{(width\ of\ war\ pon\ loom\ beam)}{(Creel\ Capacity)}$
- C:- $Number\ of\ section = \frac{(Creel\ Capacity)}{(width\ of\ war\ pon\ weaver\ 's\ beam)}$

$$D:- \text{Number of section} = \frac{(\text{Total No of ends})}{(\text{Creel Capacity})}$$

Correct Answer:- Option-D

Question45:-Formula for calculating the efficiency of warper in high speed warping machine is:

A:-Actual production per hour/Calculated production per hour \times 100%

B:-Calculated production per hour/Actual production per hour \times 100%

C:-Length in metres prepared per hour/Actual production per hour \times 100%

D:-Actual production per hour/Actual production in metre per hour per slasher hour \times 100%

Correct Answer:- Option-A

Question46:-An example for synthetic Adhesive used in size mixture:

A:-Zinc Chloride

B:-Poly Acrylic Acid

C:-Salicylic Acid

D:-Poly Ethylene Glycol

Correct Answer:- Option-B

Question47:-In multi cylinder sizing, yarn to be sized are wound on a given number of back beam is called _____.

A:-Sett of warp beam

B:-Warp beam sett

C:-Sett

D:-Set of weaver's beam

Correct Answer:- Option-C

Question48:-The number of coils of yarn wound on chase between the nose and shoulder is termed:

A:-wind of the cone

B:-wind of the pirn

C:-wind of bobbin

D:-wind of spool

Correct Answer:- Option-B

Question49:-Write the formula for calculating the "length of mark" of slasher sizing machine.

A:-Product sizes of Driven wheel/Product sizes of Driver wheel \times circumference of measuring roller in inch

B:-Product sizes of Driver wheel/Product sizes of Driven wheel \times circumference of measuring roller in inch

C:-Circumference of measuring roller/Product sizes of Driver wheel \times Product sizes of Driven wheel

D:-Circumference of measuring roller/Product sizes of Driven wheel × Product sizes of Driven wheel

Correct Answer:- Option-A

Question50:-The defect of sized beam is produced due to unequal distribution of yarn in wraith is known as:

A:-Sandy warp

B:-Warp steaks

C:-Size dropping

D:-Ridge beam

Correct Answer:- Option-D

Question51:-Each square in the point paper indicates _____.

A:-Warp up

B:-Intersection point of an end and pick

C:-Weft up

D:-Warp down

Correct Answer:- Option-B

Question52:-Which defines the selection of healds to be raised (or) lowered on each successive insertion of pick or weft?

A:-Peg plan

B:-Tie-up plan

C:-Drafting plan

D:-Denting plan

Correct Answer:- Option-A

Question53:-The sequence of differently interlacing ends numbered in design indicates:

A:-Ends per repeat

B:-Denting order

C:-Treadling order

D:-Drafting order

Correct Answer:- Option-D

Question54:-How to find the number of treadles required for a weave design?

A:-By counting the number of healds required for weaving a design.

B:-By counting the number of differently interlacing ends in the design

C:-By counting the number of differently interlacing picks in the design

D:-By counting the number of ends per repeat of design.

Correct Answer:- Option-C

Question55:-Plain woven fabric also known as:

A:-Tabby

B:-Jeanette

C:-Shaloon

D:-Serge

Correct Answer:- Option-A

Question56:-Which twill is called as "GENOA"?

A:- $\frac{1}{3}$

B:- $\frac{1}{2}$

C:- $\frac{2}{1}$

D:- $\frac{3}{1}$

Correct Answer:- Question Cancelled

Question57:-Which is the most suitable weave for towelling?

A:-Honey comb

B:-Twill

C:-Plain

D:-Satin

Correct Answer:- Option-A

Question58:-How many ends and picks are required for a "DEVON HUCK - A - BACK"?

A:-18 × 18

B:-6 × 10

C:-16 × 16

D:-10 × 6

Correct Answer:- Option-D

Question59:-Crepe weave also known as _____.

A:-Serge

B:-oatmeal

C:-Genoa

D:-Calico

Correct Answer:- Option-B

Question60:-Name the weave that produce longitudinal warp line in the cloth with fine sunken lines in between?

A:-Pique

B:-Welt

C:-Bed ford cord

D:-Fast back welt

Correct Answer:- Option-C

Question61:-Secondary motions of power loom are

A:-Shedding and picking

B:-Picking and take-up

C:-Take-up and Let-off

D:-Beating-up and Let-off

Correct Answer:- Option-C

Question62:-The heald will remain stationary while the shuttle passes from one shuttle box to other, this is called _____.

A:-Eccentricity of the slay

B:-Early shedding

C:-Beating-up

D:-Dwell of tappet

Correct Answer:- Option-D

Question63:-Shuttle less weaving eliminates

A:-Pirn winding

B:-Cone winding

C:-Warp winding

D:-Beaming

Correct Answer:- Option-A

Question64:-Seven wheel take-up is

A:-Positive continuous take-up

B:-Positive intermittent take-up

C:-Negative continuous take-up

D:-Negative take-up

Correct Answer:- Option-B

Question65:-The unequal movement of slay in dual unit of time is

A:-Bevel

B:-Dwell

C:-Bow

D:-Eccentricity

Correct Answer:- Option-D

Question66:-Bottom shaft end wheel of a loom is 80 Teeth, how many teeth are there in the crank shaft end wheel?

A:-60

B:-40

C:-20

D:-80

Correct Answer:- Option-B

Question67:-Minimum number of lags required in a Dobby

A:-6

B:-4

C:-8

D:-10

Correct Answer:- Option-C

Question68:-Number of jacuard cards in a chain of pattern cards depends on

A:-Number of ends in the repeat of design

B:-Number of picks in the repeat of design

C:-Number of ends in the cloth

D:-Number of picks in the cloth

Correct Answer:- Option-B

Question69:-Preventing the shuttle fly out, a guard is provided on

A:-Reed cap

B:-Box end

C:-Side frame

D:-Weft fork hammer

Correct Answer:- Option-A

Question70:-A yarn of 1680 yds weigh 0.5 pounds. What is the count of yarn in English cotton system?

A:-40

B:-20

C:-2

D:-4

Correct Answer:- Option-D

Question71:-Scouring is used to get

A:-improve whiteness

B:-improved and uniform absorbency

C:-stiffness

D:-strength

Correct Answer:- Option-B

Question72:-Desizing without chemical is

A:-Root steeping

B:-Acid steeping

C:-Enzymatic steeping

D:-Baromite desizing

Correct Answer:- Option-A

Question73:-Keir is used for

A:-Mercerisation

B:-Dyeing

C:-Singeing

D:-Scouring

Correct Answer:- Option-D

Question74:-Ecco friendly bleaching is _____

A:-Hypochlorite bleaching

B:-Sodium chlorate bleaching

C:-Hydrogen peroxide bleaching

D:-Caustic soda bleaching

Correct Answer:- Option-C

Question75:-The activity of enzymes in desizing is accelerated by the addition of

A:- $NaCl$

B:- $NaOH$

C:- Na_2CO_3

D:- HCl

Correct Answer:- Option-A

Question76:-Commonly used optical whitening agent

A:-Caustic soda

B:-Sodium carbonate

C:-Turkey red oil

D:-Tinopal

Correct Answer:- Option-D

Question77:- H_2O_2 bleaching PH is maintained in what range

A:-2-4

B:-10-11

C:-5-8

D:-15-18

Correct Answer:- Option-B

Question78:-Removal of _____ from the silk is degumming.

A:-Sericine

B:-Honey

C:-Starch

D:-Keratin

Correct Answer:- Option-A

Question79:-Carbonizing of wool means

A:-Removal of fat

B:-Removal of vegetable particles

C:-Removal of size

D:-Removal of Sericine

Correct Answer:- Option-B

Question80:-The protein present in wool

A:-Kevlar

B:-Elastin

C:-Keratin

D:-Nomex

Correct Answer:- Option-C

Question81:-Insoluble dye

A:-Direct

B:-Acid

C:-Reactive

D:-Vat

Correct Answer:- Option-D

Question82:-Disperse dye

A:-Polyester

B:-Cotton

C:-Silk

D:-Wool

Correct Answer:- Option-A

Question83:-Diazotisation

A:-Vat

B:-Acid

C:-Azoic

D:-Sulphur

Correct Answer:- Option-C

Question84:-Extension of Hot brand reactive dyes.

A:-M and G

B:-H and X

C:-T and B

D:-C and T

Correct Answer:- Option-B

Question85:-HTHP machine is used for

A:-Cotton

B:-Silk

C:-Rayon

D:-Polyester

Correct Answer:- Option-D

Question86:-Jigger dyeing machine

A:-Cone

B:-Cloth

C:-Hank

D:-Beam

Correct Answer:- Option-B

Question87:-Dyeing of Knitted fabrics

A:-Winch

B:-Jigger

C:-Keir

D:-Stenter

Correct Answer:- Option-A

Question88:-To get original colour after vat dyeing

A:-Oxidation

B:-Reduction

C:-Mercerisation

D:-Sanforisation

Correct Answer:- Option-A

Question89:-Trade name of Indian vat dye

A:-Procion

B:-Remazol

C:-Novatic

D:-Solvat

Correct Answer:- Option-C

Question90:-Lissapol PV is a

A:-Reactive dye

B:-Detergent

C:-Azoic dye

D:-Direct dye

Correct Answer:- Option-B

Question91:-Temporary finish

A:-Mercerising

B:-Calendering

C:-Singeing

D:-Printing

Correct Answer:- Option-B

Question92:-Glycerine is used as _____ in printing.

A:-Antiforming agent

B:-Antistatic agent

C:-Hygroscopic agent

D:-Oxidising agent

Correct Answer:- Option-C

Question93:-VELAN P F is used for

A:-Fire proof finish

B:-Water proof finish

C:-Moth proof finish

D:-Wash N wear finish

Correct Answer:- Option-B

Question94:-Double sided roller printing

A:-Block printing

B:-Stencil printing

C:-Screen printing

D:-Duplex printing

Correct Answer:- Option-D

Question95:-Sanforisation is

A:-Anti shrink finish

B:-Water proof finish

C:-Fire retardent finish

D:-Water rippellent finish

Correct Answer:- Option-A

Question96:-Which one is the style of printing?

A:-Screen

B:-Resist

C:-Stencil

D:-Block

Correct Answer:- Option-B

Question97:-To prevent the action of bacteria and fungus in printing paste

A:-Urea

B:-Turkey red oil

C:-Rongalite

D:-Salicylic acid

Correct Answer:- Option-D

Question98:-Aerograph printing is a type of,

A:-Block printing

B:-Tie and Dye

C:-Roller printing

D:-Stencil printing

Correct Answer:- Option-D

Question99:-Synthetic stiffener

A:-Polyvinyl alcohol

B:-Pentachloro phenol

C:-Polyvinyl acetate

D:-Acetic acid

Correct Answer:- Option-A

Question100:-In screen printing, mesh fabric is

A:-Cotton

B:-Jute

C:-Nylon

D:-Wool

Correct Answer:- Option-C