

187/2014

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Cotton fibre belongs to botanical family of :
(A) Barbadeuce (B) Hirstum
(C) Gossypium (D) Herbaceum
2. The essential properties of a Textile fibre is :
(A) Fineness (B) Colour
(C) Elasticity (D) Crimp
3. The extraction of jute fibre from the plant is known as :
(A) Crushing (B) Breaking
(C) Retting (D) Hackling
4. The finest quality of wool is :
(A) Carpet wool (B) Long wool
(C) Cross breed wool (D) Merino wool
5. Standard moisture regain of silk is :
(A) 8 (B) 11
(C) 16 (D) 14
6. The density of Nylon is :
(A) 1.18 gm/cc (B) 1.32 gm/cc
(C) 1.28 gm/cc (D) 1.44 gm/cc
7. An example of Elastomeric fibre :
(A) Poly Vinyl Alcohol (B) Poly propylene
(C) Poly urethane (D) Nylon
8. The melting point of Terylene is :
(A) 100° C (B) 200° C
(C) 250° C (D) 150° C

9. Pure silk is :
(A) Sericin (B) Cortex
(C) Linen (D) Fibroin
10. The dried perspiration contains in wool fibre is known as :
(A) Dirt (B) Burrs
(C) Lint (D) Suint
11. Name of an insoluble dye :
(A) Reactive (B) Direct
(C) Vat (D) Acid
12. Boiled-off liquor contains dilute alkaline soap solution and :
(A) Keratin (B) Fibroin
(C) Suint (D) Sericin
13. Reduction clearing is used to improve the brightness of the dyed material.
(A) Vat (B) Sulphur
(C) Reactive (D) Dispersed
14. Beam feeler mechanism and floating back rest roller are provided to :
(A) +ve take up motion (B) +ve let off motion
(C) -ve take up motion (D) -ve let off motion
15. Vat dyes are soluble in :
(A) $\text{Na}_2\text{S}_2\text{O}_4$ and Na_2CO_3 (B) $\text{Na}_2\text{S}_2\text{O}_4$ and NaOH
(C) Na_2S and Na_2CO_3 (D) Na_2S and NaOH
16. Polyester fibres are usually dyes with :
(A) Developed dye (B) Disperse dye
(C) Naphthol dye (D) Acid dye
17. The most effective method of hydrolite desizing is :
(A) Acid Steeping (B) Rot steeping
(C) Alkaly steeping (D) Enzyme steeping

18. Ice is used in dyeing with :
(A) Naphthol dyes (B) Acid dyes
(C) Sulphur dyes (D) Mineral Colours
19. Chemicking is the process involved in :
(A) Printing (B) Bleaching
(C) Finishing (D) Dyeing
20. In French cotton system the weight unit is :
(A) 1kg (B) $\frac{1}{2}$ kg
(C) 2 lbs (D) 1 lb
21. The removal of vegetable impurities from raw wool is :
(A) Carbonisation (B) Chlorination
(C) Mercerisation (D) De-sizing
22. When potassium permanganate is used bleaching action takes place due to the action of :
(A) Nascent oxygen (B) Nascent hydrogen
(C) Permanganate (D) Potassium
23. Glycerin used in printing paste as :
(A) Reducing agent (B) Thickening agent
(C) Oxydising Agent (D) Hygroscopic agent
24. The top end of sewing needle is known :
(A) Shank (B) Butt
(C) Scarf (D) Point
25. Eight head theory IIIrd head is :
(A) Nipple to Navel (B) Lower leg to above the angle
(C) Lower leg to bottom of feet (D) Chin to nipple
26. Method of enlarging or reducing a pattern of particular size proportionally do some other size is called :
(A) Grading (B) Drafting
(C) Enlarging (D) Patterning

27. _____ are the guide points to joining the different points of the garments in perfect manner.
- (A) Pleats (B) Tucks
(C) Notches (D) Gathers
28. Count of Comber board is defined as the number of hole in _____ of the Comber board.
- (A) One square inch (B) One linear inch
(C) Two square inch (D) Two linear inch
29. Total number of hooks in a double lift 400 hook jacquard is :
- (A) 400 (B) 408
(C) 800 (D) 816
30. _____ is required to produce a weft stripe fabric.
- (A) Under pick loom (B) Multiple box loom
(C) Dobby loom (D) Twill tappet loom
31. The minimum number of lags required in a climax doobby is :
- (A) 6 (B) 8
(C) 12 (D) 16
32. In kieghly doobby one lag represent _____ number of picks :
- (A) 1 (B) 2
(C) 4 (D) 8
33. _____ is a secondary motion in power loom.
- (A) Let off (B) Picking
(C) Weft fork (D) Warp stop motion
34. In the production of Viscose rayon cellulose xanthate is produced by treating soda cellulose with :
- (A) Sodium hydroxide (B) Sodium carbonate
(C) Zinc sulphate (D) Carbon disulphide
35. The low arch traveler is also known as :
- (A) Elliptical traveler (B) Normal traveler
(C) Low speed traveler (D) Circular traveler

36. The picking principle of sulzer loom is based on :

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|------------------|---------------------|
| (A) Torsion bar | (B) Tappet |
| (C) Rigid rapier | (D) Flexible rapier |

37. The moisture regain of Terelene under normal condition is :

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|---------|-------|
| (A) 0.4 | (B) 2 |
| (C) 4 | (D) 7 |

38. The natural amide fibre is :

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|---------------------|----------|
| (A) Amidated cotton | (B) Coir |
| (C) Wool | (D) Jute |

39. The degree of polymerization is :

- (A) The temperature at which the polymerization takes place
- (B) The angle at which the molecules are oriented
- (C) The number of monomers used for polymerization
- (D) The number of repeating units in a polymer

40. When 'tows' are stretched?

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|--------------------------------|---------------------------------------|
| (A) Elasticity increases | (B) Dyeability increases |
| (C) Polymerisation takes place | (D) Molecular orientation takes place |

41. Nylon is produced by :

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|----------------------------|----------------------------------|
| (A) Polymerising amides | (B) polymerising vinyle alcohols |
| (C) polymerising urethanes | (D) polymerising acrylo nitriles |

42. What do you mean by hackling?

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|--------------------------------------|----------------------|
| (A) Spraying of chemicals on plant | (B) Removal of motes |
| (C) It is the decaying of flax plant | (D) Combing process |

43. Shirley modification in a card is the developments of :

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|----------------------|---------------------|
| (A) Coiler region | (B) Condensing |
| (C) Licker in region | (D) Cylinder region |

44. Mean fibre length of 40^s cotton :
- (A) 32 mm (B) 26 mm
(C) 19 mm (D) 14 mm
45. The typical cotton used in the mixing of 80^s count.
- (A) Digvijay (B) Varalakshmi
(C) Jayadhar (D) Sankar
46. The flat strip waste can be controlled in the setting of _____ in card.
- (A) Flat to cylinder (B) Doffer to cylinder
(C) Licker-in to cylinder (D) Front plate to cylinder
47. In a knitted structure the yarns are fed in walewise, it is known as :
- (A) Warp knitted (B) Stripe fabric
(C) Leno structure (D) Weft knitted
48. The technical meaning of 'grain' in garment making is :
- (A) Weft bars in fabric
(B) Warp bars in fabric
(C) Appearance of knots in fabric
(D) Direction of fibres in woven fabrics
49. Name the part of knitting machine which holds down the old loop and lower the newly laid yarn to the loop :
- (A) Presser (B) Needle
(C) Butt (D) Sinker
50. What do you mean by single jersey fabric?
- (A) A fabric which is printed on one side
(B) A fabric which is made by one set of needles
(C) A fabric having raised fibres
(D) A fabric with single chemical finish

51. An example for a novel finish is :
- (A) Antiseptic and soil release finish (B) Antistatic and water proof finish
(C) Anticrease and soft finish (D) Antiodour and fragrance finish
52. Mention one enzymatic desizing agent extracted from animal :
- (A) Diastase (B) Diastaser
(C) Novofermasol (D) Rapidase
53. The main chemical used for flame retardant finish is :
- (A) Polyvinyl acetate
(B) Polydimethyl siloxane
(C) Hydroxy methyl phosphonium chloride
(D) Carboxy methyl cellulose
54. The introduction of permanent crimps or loops to the filaments in a filament yarn is known as :
- (A) Mercerization (B) Diasotization
(C) Sanforisation (D) Texturisation
55. Which of the following weave is best suitable for bath towel?
- (A) Mock leno (B) Huck a back
(C) Satin (D) Plain
56. Turkish towel belongs to the class of :
- (A) Warp pile (B) Weft pile
(C) Corded velveteen (D) Brocade carried out
57. The reactive dyeing must be carried out :
- (A) In acid medium (B) In alkali medium
(C) At boiling temperature (D) In neutral medium
58. Define white souring.
- (A) Mineral acid treatment given prior to bleaching
(B) Mineral acid treatment given after bleaching
(C) Alkaly treatment given just before bleaching
(D) Alkaly treatment given after bleaching

59. The weave best suited for mosquito net is :
(A) Brocade (B) Pile
(C) Picque (D) Plain gauze
60. The object of oscillating back rest :
(A) To maintain uniform tension
(B) To release the warp
(C) To increase tension
(D) To reduce tension of warp during shedding
61. In fly frame when twist wheel altered it will affect the speed of :
(A) Flyer (B) Spindle
(C) Front roller (D) Bobbin
62. Roving tension is controlled by :
(A) Ratchet gear (B) Draft gear
(C) Twist gear (D) Break draft gear
63. The top and bottom apron distance in a high draft system is controlled by :
(A) Tension pulley (B) Cradle
(C) Nose bar (D) Spacer
64. In _____ system of doubling the wetting troughs are placed directly below the delivery roller.
(A) Scotch system (B) English system
(C) Stock port system (D) American system
65. Acrylic fibre having the property of :
(A) Jute (B) Silk
(C) Wool (D) Cotton
66. Surgical thread is manufactured from :
(A) Poly propylene (B) Acrylic
(C) Poly urethane (D) Poly vinyl alcohol

67. Polyester is dissolved in :

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|-----------------|-----------------|
| (A) Benzene | (B) Phenol |
| (C) Meta cresol | (D) Formic acid |

68. The mass stress at break is called :

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|---------------------|---------------------|
| (A) Tenacity | (B) Specific stress |
| (C) Breaking stress | (D) Breaking load |

69. ATIRA fineness tester works in the principle of :

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|-------------|--------------------|
| (A) Optical | (B) Inclined plain |
| (C) Airflow | (D) C R T |

70. Needle punching technique is used for the production of _____ fabrics :

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|-----------------------------------|--------------------|
| (A) Mechanical method of nonwoven | (B) Knitted |
| (C) Chemical method of nonwoven | (D) Stitch bonding |

71. In sulzer loom _____ selvedge mechanism is employed.

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|-----------|--------------|
| (A) Leno | (B) Tuckin |
| (C) Fused | (D) Stitched |

72. After treatment for washing fastness for direct dyed goods is carried out with :

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|---------------------|---------------------------|
| (A) Copper sulphate | (B) Pottassium dichromate |
| (C) Formal dehyde | (D) Sodium sulphate |

73. Carriers are used for dyeing with :

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|--------------|--------------------|
| (A) Vat dye | (B) Mineral colors |
| (C) Acid dye | (D) Disperse dye |

74. The instrument used for finding the count of warp and weft of a fabric is :

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|---------------------|------------------------|
| (A) Knowles balance | (B) Quadrant balance |
| (C) Beisley balance | (D) Analytical balance |

75. The process of killing silk cocoon by steam or hot water is known as a :
(A) Cooking (B) Croissure
(C) Stiffling (D) Sorting
76. The unequal movement of slay in equal units of time is known as :
(A) Eccentricity (B) Bend
(C) Bow (D) Dwell
77. Ribs or cords run from selvedge to selvedge in a _____ fabric.
(A) Crepe (B) Bed fordcord
(C) Pique (D) Twill weave
78. Aniline black is an example for this group of colour.
(A) Acid mordant (B) Metachrome
(C) Oxidised (D) Monochrome
79. It is a finish by which the threads of a fabric are flattened.
(A) Sanforising (B) Mercerising
(C) Carbonising (D) Calendering
80. Weft winders for cop changing looms are equipped with :
(A) Building motion (B) Piecing motion
(C) Bunching motion (D) Splicing
81. A nominated member in Rajiya Sabha :
(A) A. K. Antony (B) CNR Ravu
(C) G. Madhavan Nair (D) Mauor Anoop
82. The kollam Chenkotta rails put an end on :
(A) 2010 Sept 20 (B) 2007 May 1
(C) 2009 June 18 (D) 2008 Nov 1
83. _____ is the second woman Lok Sabha Speaker.
(A) Vijaya Lakshmi Pandit (B) Sarojini Naidu
(C) Meera kumar (D) Sumithra Mahajan

84. The first acting President of India :
(A) B. D. Jetty (B) V.V.Giri
(C) Hidayathulla (D) S. D. Sharma
85. The slogan 'do or die' is related with :
(A) Non Co-operation Movement (B) Dandi March
(C) Lahore Congress (D) Quit India Movement
86. Alexander the great was invaded India in :
(A) B.C.336 (B) B.C.359
(C) B.C.326 (D) B.C.363
87. The first person who won the Dada Sahib award :
(A) Renuka Chaudhari (B) Ali Salim
(C) Amita Malik (D) Omerkhayam
88. A boat race in river Pampa :
(A) Paipad (B) Neerettupuram
(C) Moolm (D) Alappuzha
89. KPCC was formed in the year :
(A) 1921 (B) 1947
(C) 1930 (D) 1932
90. The founder of Prathyaksha Raksha Daiva Sabha (PRDS) :
(A) T.M.Varghese (B) Kumara Gurudevan
(C) Chattampi Swami (D) K. Kelappan
91. The first Buddhist chinese pilgrim :
(A) It Sing (B) Hu-en-sang
(C) Marcopolo (D) Fa-hien
92. The author of Gita Govinda :
(A) Kalhana (B) Vishnugupta
(C) Jayadeva (D) D. D. Kosambi

93. Who won the Ezhuthachan Puraskaram in the year 2013?
(A) ONV (B) M.K.Sanu
(C) M.T.Vasudevan Nair (D) Sukumar Azhikod
94. The 20th world chess championship was awarded to :
(A) Viswanath Anand (B) Gahriela Isler
(C) Magnus Carlson (D) None of these
95. The first Nisaganthi Puraskaram was received by :
(A) Mrunalini Sarabhai (B) Sabana Asmi
(C) Chowallur Krishnankutty (D) Bharath Gopi
96. Who was the central minister from kerala reigned the longest period?
(A) A.K.Antony (B) Vayalar Revi
(C) Mullappally Ramachandran (D) E. Ahammed
97. The first lady Chairperson of SBI :
(A) Arundhathy Bhattachariya (B) Nargeese Dath
(C) Bachaudri Pal (D) Devika Rani
98. The most flooded river in India :
(A) Sindhu (B) Ganga
(C) Godavari (D) Brahmaputra
99. The French East India Company was first settled in India at :
(A) Massoolipattanam (B) Nagapattanam
(C) Surat (D) Pondicherry
100. The battle of Bexar was in the year :
(A) 1757 (B) 1764
(C) 1857 (D) 1674