PSC Technical Supervisors - Kshwcs Ltd - Hantex Examination Previous Year Question Paper

Exam Name: ***Technical Supervisors - Kshwcs Ltd - Hantex***

Date of Test : 04.01.2016

Question Paper Code: 021/2016

Medium of Questions: English

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Maximum : 100 marks

Time : 1 hour and 15 minutes

1. The ———— fiber has a standard regain of 17-18%.
   (A) Polyester (B) Wool
   (C) Silk (D) Acrylic

2. It is a modification of plain weave :
   (A) Brighton honey comb (B) Sateen
   (C) Hopsack (D) Satin

3. 10 Tex yarn is approximately equivalent to the Count in English system of yarn numbering is :
   (A) 10^s (B) 19^s
   (C) 69^s (D) 59^s

4. It is an example of regenerated fiber :
   (A) Viscose rayon (B) Orlon
   (C) Jute (D) Acrylic

5. Hydrogen peroxide bleaching of cotton can be done with an optimum condition of :
   (A) pH 7, boil (B) pH 7, room temperature
   (C) pH 10, boil (D) pH 5, boil

6. It is an auxiliary motion found in power looms :
   (A) Loose reed motion (B) Let-off motion
   (C) 7 wheel Take-up motion (D) Beating-up

7. Ordinary hand looms usually produces :
   (A) Bottom closed shed (B) Open shed
   (C) Semi open shed (D) Centre closed shed

8. Weft way pattern can be produced in fabric by :
   (A) Dobby shedding (B) Multiple box motion
   (C) Weft fork motion (D) Tappet shedding

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9. If the weight of a lea of cotton yarn is 2 grams, its English count is :

(A) 16^s (B) 64^s

(C) 128^s (D) 32^s

10. Short fiber removal is the main object of :

(A) Ginning process (B) Combing process

(C) Roving process (D) Spinning process

11. Tension type twist tester is working on :

(A) Twist contraction principle (B) Straightened fiber principle

(C) Untwist method (D) Twist to break method

12. 2.5 % span length is obtained from :

(A) Baer sorter (B) Uster stapling apparatus

(C) Digital Fibrograph (D) HVI instrument

13. Separation of cotton fiber from seed without injury to both is achieved by :

(A) Ginning process (B) Carding process

(C) Blow room process (D) Drawing process

14. Odd one out :

(A) Lifting plan (B) Weaving plan

(C) Treadling plan (D) Picking plan

15. Macarthy Gin is suitable for processing :

(A) Medium stapled cotton (B) Long stapled cotton

(C) Short stapled cotton (D) Coarse cotton

16. Leno fabric comes under :

(A) Tappet shedding (B) Plain weaving

(C) Dobby shedding (D) Cross weaving

17. Warp cut pile fabrics are known as :

(A) Velveteen (B) Velvet

(C) Sateen (D) Satin

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18. Crepe fabrics can be produced by :

(A) Hosiery yarns
(B) Soft twisted yarn
(C) Balanced twist yarn
(D) Hard twisted yarn

19. Pressure harness is used in :

(A) Plain Tappet shedding
(B) Twill tappet shedding
(C) Jacquard shedding
(D) Dobby shedding

20. Acrylic fiber is an example of :

(A) Regenerated fiber
(B) Cellulosic fiber
(C) Natural fiber
(D) Fully synthetic fiber

21. Feed control arrangement employed in Bale breaker :

(A) Swing door mechanism
(B) Auto leveler
(C) Piano feed regulating motion
(D) PIV drive

22. It is a fiber extension length from a line :

(A) Effective length
(B) Mean length
(C) Span length
(D) Modal length

23. Lakshmi Reiter machine Model RSB 851 is a :

(A) Fly frame
(B) Draw frame
(C) Card
(D) Ring frame

24. Herring bone fabric structure is a :

(A) Warp faced twill
(B) Steep twill
(C) Weft faced twill
(D) Broken and reverse twill

25. Doup Healds are employed in the manufacture of :

(A) Seer sucker fabric
(B) Gauze fabric
(C) Pique fabric
(D) Crepe fabric

26. Direct colour dyed fabrics can be topped to improve the brightness by :

(A) Basic dyes
(B) Acid dyes
(C) Reactive dyes
(D) Sulphur dyes

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27. It is an example of natural filament fiber :

(A) Silk (B) Wool

(C) Cotton (D) Viscose

28. Exhausting agent used for direct dyeing is :

(A) Sodium hydroxide (B) Sodium bicarbonate

(C) Sodium chloride (D) Sodium carbonate

29. An automatic loom with 300 rpm producing 150 cm wide fabric with 30 picks/cm working with 90 % efficiency. The actual production of the loom per hour is :

(A) 5.4 meters (B) 0.54 meters

(C) 9.0 meters (D) 810 meters

30. The trumpet used in carding is used to make :

(A) Flat waste (B) Web

(C) Roller waste (D) Sliver

31. Air jet looms eliminates the use of ———— for weft insertion.

(A) Weft fork (B) Yarn

(C) Shuttle (D) Healds

32. Draft suitable for a weave which is symmetrical about the center is :

(A) Broken (B) Point

(C) Straight (D) Satin

33. Silk fibre extraction is termed as :

(A) Apiculture (B) Sericulture

(C) Tissue culture (D) Horticulture

34. Clip Stenter is used to :

(A) Control the width of the fabric (B) Improve the strength of the fabric

(C) Control the length of the fabric (D) Improve the luster of the fabric

35. Standard regain of 80/20 Polyester cotton blend is :

(A) 6.48 % (B) 2.92 %

(C) 1.92 % (D) 10.4 %

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36. Anti shrink finish can be applied on fabric by :

(A) Calendaring (B) Texturizing

(C) Stentering (D) Sanforising

37. The term Tenacity is used to describe the ———— property of the fiber.

(A) Maturity (B) Length

(C) Fineness (D) Strength

38. Alteration of setting between flat and cylinder is achieved by :

(A) Back concentric bends (B) Front concentric bends

(C) Flexible bends (D) Rigid bends

39. This is a modification of twill weave :

(A) Brighton honey comb (B) Huck A Back

(C) Bedford cord (D) Mat

40. Apron doffing is a modern development in :

(A) Blow room (B) Fly frame

(C) Ginning (D) Carding

41. The process given to a cotton fabric to improve strength and luster :

(A) Texturization (B) Mercerization

(C) Bleaching (D) Kier boiling

42. Sericin is connected with :

(A) Silk fibre (B) Wool fibre

(C) Linen fiber (D) Polyester fibre

43. Approximate spindle speed adopted in a modern Ring frame is :

(A) 22000 rpm (B) 12000 rpm

(C) 60000 rpm (D) 30000 rpm

44. It is not an auxiliary motion of a loom :

(A) Fast reed motion (B) 7 wheel take-up motion

(C) Centre weft fork motion (D) Check strap motion

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45. The process given to neutralize the substrate after alkaline treatment is termed as :

(A) Scouring (B) Souring

(C) Sanforising (D) Mercerizing

46. Card sliver consists of more number of :

(A) Straight fibres (B) Both end hooked fibres

(C) Trailing hooked fibres (D) Leading hooked fibres

47. The main object of Draw frame process is :

(A) Opening and cleaning (B) Thinning down of the material

(C) Straightening of the fibres (D) Individualization of the fibres

48. Bundle fibre strength can be measured by :

(A) Drape meter (B) Nilo meter

(C) Monometer (D) Stelometer

49. This process is given to cotton to remove natural coloring matter :

(A) Bleaching (B) Mercerizing

(C) Scouring (D) Singeing

50. Linen is a :

(A) Seed fibre (B) Bast fibre

(C) Regenerated fibre (D) Synthetic fibre

51. Fast colors can be produced on cotton fabric by :

(A) Reactive dyes (B) Sulphur dyes

(C) Vat dyes (D) Direct dyes

52. Corduroy fabric is a :

(A) Satin fabric (B) Sateen fabric

(C) Warp pile fabric (D) Weft pile fabric

53. Traveler is used in this spinning process :

(A) Ring spinning (B) Open end spinning

(C) Air jet spinning (D) Friction spinning

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54. Satin weave has ———— structure.

(A) Plain (B) Pile

(C) Weft face (D) Warp face

55. Heart of weaving is :

(A) Take-up (B) Picking

(C) Let-off (D) Shedding

56. Order of Standard regain of cotton, wool and silk is :

(A) Cotton > Silk > Wool (B) Wool > Silk > Cotton

(C) Cotton > Wool > Silk (D) Wool > Cotton > Silk

57. Resultant count of a cotton plied yarn composed of 40^s and 60^s is :

(A) 100^s (B) 20^s

(C) 24^s (D) 50^s

58. Production of a single delivery Draw frame with 500 MPM delivering 4 gm/meter sliver is :

(A) 20 Kg/Hour (B) 12 Kg/Hour

(C) 120 Kg/Hour (D) 200 Kg/Hour

59. Rubbing away of the component fibres and yarns of the fabric is termed as :

(A) Creasing (B) Abrasion

(C) Drape (D) Pilling

60. Twist multiplier for a hosiery yarn suitable for innerwear is :

(A) Less than 3 (B) 4

(C) Greater than 6 (D) 5

61. Flax fibre contains :

(A) Keratin (B) Oxy-cellulose

(C) Sericin (D) Lignocelluloses

62. Highest production rate can be achieved by :

(A) Roller printing (B) Screen printing

(C) Block printing (D) Bathick printing

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63. If the weight of 1 Kg of yarn is 20 kilometers, its count is :

(A) 20 Tex (B) 50 Tex

(C) 100 Tex (D) 1 Tex

64. Acid dyes have direct affinity towards :

(A) Jute fibers (B) Flax fibres

(C) Protein fibres (D) Cellulosic fibres

65. Recommend a suitable dye for polyester fabrics :

(A) Sulphur dyes (B) Disperse dyes

(C) Vat dyes (D) Reactive dyes

66. Pendulum lever principle with CRT principle is adopted in :

(A) Stelometer (B) Ballistic strength Tester

(C) Pressley Tester (D) Lea strength Tester

67. During maturity test of 500 cotton fibres, 300 found to be mature and 50 is immature-maturity coefficient is :

(A) 0.82 (B) 0.80

(C) 0.78 (D) 0.75

68. In duplex printing, designs are produced on :

(A) Bottom side of the fabric (B) Top side of the fabric

(C) Reverse side of the fabric (D) Both sides of the fabric

69. It is the earliest azoic dye produced by coupling diazotized paranitroanibine with β-naphthol :

(A) Turkey Red (B) Azo Red

(C) Para Red (D) Congo Red

70. Winding and binding coils are formed in Ring frame due to the movement of :

(A) Spindle rail (B) Ring rail

(C) Traveler (D) Separator

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71. In Uster evenness tester, Yarn fault of length 1 mm and cross section 200% is termed as :

(A) Thick place
(B) Slubs
(C) Nep
(D) Objectionable fault

72. The strength of a fabric against a multi directional flow of pressure is termed as :

(A) Bursting strength
(B) Tensile strength
(C) Tearing strength
(D) Breaking strength

73. Process given to a yarn to remove protruding fibers from it :

(A) Singeing
(B) Warping
(C) Sizing
(D) Winding

74. Indigoid vat dyes contain :

(A) Anthraquinone
(B) Amino anthraquinone
(C) Indanthrone
(D) Chromophore

75. Actual draft in card is the ratio between :

(A) Surface speed of Delivery roller to feed roller
(B) Hank delivered to Hank fed
(C) Surface speed of feed roller to Delivery roller
(D) Hank fed to Hank delivered

76. Ring frame top arm roller pressure can be measured by :

(A) Shirley Pressure gauge
(B) ATIRA NILO meter
(C) ATIRA TARP gauge
(D) Drape meter

77. Suitable chemicals to dissolve sulphur dyes :

(A) Sodium chloride and Sodium sulphide
(B) Sodium carbonate and Sodium Chloride
(C) Soda ash and Sodium sulphide
(D) Sodium hydroxide and Sodium carbonate

78. It is not a measure of scatter :

(A) Mean Range
(B) Median
(C) Mean deviation
(D) Variance

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79. Consider the following elements in Group I and Group II and choose the correct alternative from amongst A, B, C and D :

Group I		Group II	
P.	Cylinder	1.	Slow speed, condensing action
Q.	Licker-in	2.	Slowest speed, nep removal
R.	Doffer	3.	Highest rpm, coarse wires
S.	Flat	4.	Slowest speed, stripping action
		5.	Highest surface speed, fine wires

(A) P-5, Q-3, R-1, S-4 (B) P-3, Q-5, R-1, S-4

(C) P-3, Q-5, R-1, S-2 (D) P-5, Q-3, R-1, S-2

80. During maturity testing of cotton by caustic soda swelling method, matured fibers can be identified by :

(A) Rod like appearance (B) Curled appearance

(C) Twisted appearance (D) Convoluted appearance

81. The National Food Security Act was passed by the Parliament in :

(A) 2012 (B) 2013

(C) 2014 (D) 2011

82. Aathmakadhakkoru Aamukam is the autobiography of :

(A) Sugathakumari (B) Lalithambika Antharjanam

(C) Leela Devi (D) M. Leelavathy

83. The First President of Purogamana Kala Sahitya Sangam :

(A) Vyloppilli Sreedhara Menon (B) M.K. Sanu

(C) U.A. Khader (D) M.N. Vijayan

84. Which is the 29th Indian State?

(A) Andra Pradesh (B) Goa

(C) Chhathisgarh (D) Telangana

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85. The sports person who got the Bharat Ratna in 2014 :

(A) Sachin Tendulkar (B) Sania Mirza

(C) Leander Paes (D) Virat Kohli

86. Who founded Kerala Kala Mandalam?

(A) Kumaran Asan (B) Ulloor S. Parameswara Iyer

(C) Kunchan Nambiar (D) Vallathol Narayana Menon

87. Who was the Chairman of the "Union Powers Committee" of the Indian Constituent Assembly?

(A) Jawaharlal Nehru (B) Rajendra Prasad

(C) K.M. Munshi (D) Pattambi Sitaramayya

88. The Election Commission is the statutory body set up under Article ——— of the Constitution of India.

(A) Article 324 (B) Article 395

(C) Article 124 (D) Article 210

89. Chattambi Swamikal was born at :

(A) Panmana (Kollam) (B) Kollur (Trivandrum)

(C) Aluva (Ernakulam) (D) Thrissur

90. The Guruvayur Satyagraha took place in :

(A) 1930-31 (B) 1933-34

(C) 1928-29 (D) 1931-32

91. Who wrote the book "Brahmananda Swami Sivayogi"?

(A) A.K. Nair (B) P.V. Gopalakrishnan

(C) P. Govinda Pillai (D) Pavanan

92. Who is known as the Father of Library Movement in Kerala?

(A) Puthuvayil Narayana Panicker (B) M.N. Vijayan

(C) Thirunalloor Karunakaran (D) Unnikrishnan puthur

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93. Vala Samudaya Parishkarani Sabha was organised under the leadership of :

(A) C. Kesavan
(B) None of these
(C) Dr. Palpu
(D) Pandit K.P. Kuruppan

94. Who first propagated the slogan "Intha Ulakathile orae oru jathy than, orae oru matham than, orae oru kadavul than"?

(A) Thakkala Peer Muhammad
(B) Ayyankali
(C) Thycaud Ayya Swamikal
(D) Swayam Prakasa Yogini

95. Dr. Gundert published his Malayalam – English Nighandu (Gundert's Dictionary) in :

(A) 1800
(B) 1772
(C) 1850
(D) 1872

96. The founding editor of the journal Vivekodayam :

(A) E.V. Krishna Pillai
(B) U.K. Kunjiraman
(C) C.V. Sree Raman
(D) Kumaran Asan

97. Backwaters of ———— lake is situated near the famous Vaikam Temple.

(A) Punnamada Lake
(B) Ashtamudi Lake
(C) Vembanad Lake
(D) Akkulam Lake

98. Who wrote the book "Nadan Premam"?

(A) A. Ayyappan
(B) Kovilan
(C) N. N. Kakkad
(D) S.K. Pottakkatt

99. The Journalist who wrote under the pen name 'Keralan' :

(A) Abu Abraham
(B) N. Prabha Varma
(C) V. K. Madhavankutty
(D) Swadesabhimani Ramakrishna Pillai

100. Koodankulam is located in which district of Tamil Nadu?

(A) Madurai
(B) Kanyakumari
(C) Thirunelveli
(D) Salem

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