

PUNJAB PUBLIC SERVICE COMMISSION

Competitive Examination (September-2017) for Recruitment of Lecturer Garment Manufacturing Technology in the Department of Technical Education & Industrial Training, Government of Punjab

READ INSTRUCTIONS BEFORE FILLING ANY DETAILS OR ATTEMPTING TO ANSWER THE QUESTIONS.

Candidate's Name _____

Father's Name _____

Date of Birth

DD MM YYYY

Category Code*

(*as given in the admit card)


OMR Response Sheet No. _____

Roll No. _____

Booklet No.

Candidate's Signature (Please sign in the box)

INSTRUCTIONS

<p>1. The candidate shall NOT open this booklet till the time told to do so by the Invigilation Staff. However, in the meantime, the candidate can read these instructions carefully and subsequently fill the appropriate columns given above in CAPITAL letters. The candidate may also fill the relevant columns (other than the columns related to marking responses to the questions) of the Optical Mark Reader(OMR) response sheet, supplied separately</p>	<p>9. The candidates shall be responsible to ensure that the responses are marked in correct manner and any adverse impact due to wrong marking of responses would be the responsibility of the respective candidate. The following are some of the examples of wrong marking of responses on the OMR response sheet.</p> 
<p>2. Use only blue or black ball point pen to fill the relevant columns on this page. Use of fountain pen may leave smudges which may make the information given by the candidate here illegible.</p> <p>3. The candidate shall be liable for any adverse effect if the information given above is wrong or illegible.</p>	<p>10. The candidates, when allowed to open the question paper booklet, are advised to check the booklet to confirm that the booklet has complete number of pages, the pages printed correctly and there are no blank pages. In case there is any such error in the question paper booklet then the candidate should immediately bring this fact to the notice of the invigilation Staff and obtain a booklet of the same series as this one.</p>
<p>4. The candidate must fill all the columns given above on this page and sign at the appropriate place.</p> <p>5. Each candidate is required to attempt 100 questions in 120 minutes, except for orthopaedically/visually impaired candidates, who would be given 40 minutes extra, by marking correct responses on the OMR sheet which would be supplied separately to the candidates</p>	<p>11. The serial number of the new booklet should be entered in the relevant column of the OMR. The candidate should request the Invigilation Staff to authenticate the change in serial number of question booklet by obtaining the initials of the Staff on the corrected serial number of the question booklet</p>
<p>6. The candidate must write the following on the OMRs sheet: (a)Serial number of OMR sheet supplied to him/her for marking the responses to the questions. (b)Serial number of the question booklet Failure to do so may lead to cancellation of candidature or any other action which the Commission may deem fit.</p>	<p>12. The question paper booklet has 14 pages.</p> <p>13. Each question shall carry three marks.</p>
<p>7. The candidate should darken the appropriate response to the question by completely darkening the appropriate circle/oval according to his/her choice of response i.e. a, b, c or d in the manner shown in the example below.</p> <p style="text-align: center;"> a b c d </p> <p style="text-align: center;">  </p>	<p>14. There are four options for each question and the candidate has to mark the most appropriate answer on the OMR response sheet using blue or black ball point pen.</p>
<p>8. Partly darkening the circle/oval on the OMR response sheet or using other symbols such as tick mark or cross would not result in evaluation of the response as the OMR scanner can only interpret the answers by reading the darkened responses in the manner explained in preceding paragraph. Darkening more than one circle/oval as response to a question shall also be considered as wrong answer.</p>	<p>15. There is no negative marking for wrong answers or questions not attempted by the candidate.</p>

1. The present Lok Sabha is the:
 - (a) 13th Lok Sabha
 - (b) 14th Lok Sabha
 - (c) 15th Lok Sabha
 - (d) 16th Lok Sabha

2. The Radcliffe line is a boundary between:
 - (a) India and Pakistan
 - (b) India and Afghanistan
 - (c) India and China
 - (d) India and Myanmar

3. The oldest mountains in India are:
 - (a) Aravalis
 - (b) Vindhya
 - (c) Satpuras
 - (d) Nilgiri hills

4. Who among the following is Chief Justice of India?
 - (a) Justice Deepak Misra
 - (b) Justice K. S. Khehar
 - (c) Justice Surya Kant
 - (d) Justice S. S. Saron

5. Which among the following countries is hosting BRICS summit-2017?
 - (a) India
 - (b) Brazil
 - (c) Russia
 - (d) China

6. Which any of the following has recently been held as Fundamental Right by the Supreme Court of India?
 - (a) Right to privacy
 - (b) Right to property
 - (c) Right to free speech
 - (d) Right to life

7. In which of the following districts the 'Virast-e-Khalsa' situated?
 - (a) Patiala
 - (b) Fatehgarh Sahib
 - (c) Rupnagar
 - (d) Mohali

8. Who among the following administers oath of office to the President of India?
 - (a) Prime Minister of India
 - (b) Chief Justice of India
 - (c) Vice President of India
 - (d) Speaker of the Lok Sabha

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9. Who among the following is known by the name of Punjab Kesari?

- (a) Bhagat Singh
- (b) Master Tara Singh
- (c) Darshan Singh Pheruman
- (d) Lala Lajpat Rai

10. Dadabhai Naoroji wrote a detailed critique of:

- (a) British revenue policy
- (b) Deindustrialization
- (c) Industrial development
- (d) Drain of wealth

11. The basic objective of social forestry is

- (a) Greater urbanisation
- (b) Increasing the green coverage
- (c) Using forest land to build homes
- (d) Bringing safe drinking water to rural households

12. Two places situated on the same longitude will have

- (a) Same time and date
- (b) Same time but different date
- (c) Different time but same date
- (d) Day and night of equal length

13. Which of the following is a mixture?

- (a) Air
- (b) Water
- (c) Gold
- (d) Sulphur

14. Why is red light employed for danger signals

- (a) Red colour is soothing to the eye
- (b) Human eye is most sensitive to red colour
- (c) Red light is scattered least
- (d) Red light is scattered most

15. What is the most unique feature of Harappan civilization?

- (a) Agricultural development
- (b) Road construction
- (c) Urban planning
- (d) Temple construction

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16. Which word completes the sentence: Water ----- when it freezes:
- (a) Expands
 - (b) Contracts
 - (c) Dissolves
 - (d) Conducts
17. What did Mahatma Gandhi do towards the end of the Dandi March in 1930?
- (a) Addressed a public meeting
 - (b) Broke the salt law by boiling sea water
 - (c) Met the Viceroy
 - (d) Spoke about Ahimsa
18. Where did Mahatma Gandhi first practice Satyagraha?
- (a) India
 - (b) England
 - (c) South Africa
 - (d) USA
19. Which among the following is not a part of the monetary policy
- (a) Open market operations
 - (b) Repo rate
 - (c) Bank rate
 - (d) Government spending
20. Among the currently operational Indian satellites, there is no:
- (a) Communication satellite
 - (b) Navigation satellite
 - (c) Earth observation satellite
 - (d) Jupiter orbiter satellite
21. "Swaraj is my birth right and I shall have it". This is attributed to
- (a) Mahatma Gandhi
 - (b) B.G. Tilak
 - (c) Pdt. Nehru
 - (d) Swami Vivekananda
22. What is the meaning of a Secular State?
- (a) State that only protects the religious rights of the minority
 - (b) State that does not protect any one particular religion
 - (c) State that separates administration and politics
 - (d) State that suppresses religious freedom
23. The khadar floodplains of Punjab are called
- (a) Bet
 - (b) Pat
 - (c) Rohi
 - (d) Dhrian

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24. The Government of India Act of 1919 was enacted to implement
- (a) Morley-Minto Reforms
 - (b) The Queen's Declaration
 - (c) The Victorian Principles
 - (d) Montague-Chelmsford Reforms
25. If 'green' means 'yellow'; 'yellow' means 'white'; 'white' means 'red'; 'red' means 'violet'; 'violet' means 'black'; then which of the following will be the colour of human blood?
- (a) Red
 - (b) Black
 - (c) White
 - (d) None of these
26. If 'X' means 'added to'; '÷' means 'multiplied by'; '+' means 'subtracted from' and '-' means 'divided by' then $24 + 36 - 12 \times 8 \div 4 = ?$
- (a) 36
 - (b) 53
 - (c) 5
 - (d) -20

Directions (Qs. 28 & 29): Words in questions given below have a definite relationship. Your task is to find out the choice with similar relationship.

27. Milk : Butter
- (a) Banana : Fruit
 - (b) Juice : Health
 - (c) Wood : Paper
 - (d) Chilli : Spices
28. Horse : Cow
- (a) Milk : Ice-cream
 - (b) Mars : Moon
 - (c) Snow : Water
 - (d) Pink : Blue
29. Isha is older than Sunder. Misa is older than Harbans. Harbans is younger than Gyan. Sunder and Gyan are of the same age. If the above facts are true, which of the following conditions must also be true?
- (a) Misa is older than Gyan
 - (b) Misa is older than Isha
 - (c) Sunder is younger than Misa
 - (d) Isha is older than Harbans
30. During winter, northwestern India gets rain from
- (a) Thunderstorms
 - (b) Retreating monsoons
 - (c) Western disturbances
 - (d) Tropical cyclones

31. A very high quality fabric if badly sewn, the performance of the garment which remains unaffected completely is :
- (a) Appearance
 - (b) Comfort
 - (c) Drapability
 - (d) Fastness behaviour
32. Pattern making does not include :
- (a) Grading
 - (b) Spreading
 - (c) Lay planning
 - (d) Pattern development
33. Among following sewing machine activities, the process that occupies maximum time duration is :
- (a) Rethreading the needle
 - (b) Change of thread
 - (c) Realigning
 - (d) Presenting work to the machine
34. The most suitable type of feed dog teeth Profile required for feeding of fine fabric is:
- (a) Saw tooth
 - (b) Up right
 - (c) Diamond
 - (d) Saw tooth up right combination
35. Ideally the throat plate hole size is:
- (a) 30% higher than needle size
 - (b) 80% higher than needle size
 - (c) Exactly equal to the needle size
 - (d) 10% higher than needle size
36. Needle size of 90 Nm in metric system indicates the blade dia of :
- (a) 0.9 mm
 - (b) 0.99 mm
 - (c) 90 mm
 - (d) 9 mm
37. Selection of needle does not depend on:
- (a) Sewing thread strength
 - (b) Sewing thread size
 - (c) Type of seam
 - (d) Type of stitch

38. Belt loops are normally sewn by:
- (a) Cylinder bed machine
 - (b) Bar tack machine
 - (c) Side bed machine
 - (d) Post bed machine
39. In HT paddle machine the liquor ratio (M:L) is maintained around:
- (a) 1:3 – 1:5
 - (b) 1:1
 - (c) 1:30 – 1:40
 - (d) 1:10
40. Rotary drum dyeing machine works on the principle of:
- (a) Movement of textile materials and stationary dyeing liquor
 - (b) Circulation of dyeing liquor and stationary textile goods
 - (c) Both the textile and liquor are in positive drive for movement
 - (d) None of them
41. Metallic flakes are suspended in ink in case of:
- (a) Khari printing
 - (b) Metallic printing
 - (c) Glitter printing
 - (d) Foil printing
42. Antichlor treatment denim may be required in case of:
- (a) Bio wash
 - (b) Sand busting
 - (c) Stone wash
 - (d) None of the above
43. Sand blasting is a:
- (a) Mechanical process
 - (b) Chemical treatment
 - (c) Mechanical followed by chemical treatment
 - (d) Enzymatic treatment
44. After sand blasting, drying is ----- task
- (a) Essential
 - (b) Optional
 - (c) Not a required
 - (d) Very critical
45. Whiskering in denim is basically:
- (a) Crease lines around the crotch
 - (b) Thread less area in the knee
 - (c) Glittering effect around the crotch
 - (d) Metallic finishing in the back of the knee

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46. _____ is an example for minor defect
- (a) Shade variation
 - (b) Open stitches
 - (c) Small oil stains
 - (d) Needle holes
47. In solvent milling of woollen garments, the following agent/s is used:
- (a) Only dry cleaning solvents
 - (b) Mixture of water and dry cleaning solvent along with surfactant
 - (c) Dry cleaning solvent and alkali
 - (d) Dry cleaning solvent and acid
48. Which of the following statements is true?
- (a) GSM of garments increases after dyeing in garment form
 - (b) GSM of garments decreases after dyeing in garment form
 - (c) GSM of fabric decreases after dyeing in fabric form
 - (d) GSM of garments remains un alter after dyeing in garment form
49. The problem in garment dyeing which is very difficult to address:
- (a) Improper tension of sewing threads
 - (b) Discolouration of buttons and closures caused by different dyes and chemicals
 - (c) Garments prepared with panels taken from differently prepared fabrics
 - (d) All of the above
50. The pressing operation reserved for pressing on partly constructed garment is called :
- (a) Under pressing
 - (b) Outer pressing
 - (c) Upper pressing
 - (d) Pressing
51. Skewing is carried out for the fabric made from:
- (a) Twill weave
 - (b) Plain weave
 - (c) Satin weave
 - (d) Damask
52. Basic purpose of stone wash treatment is to achieve
- (a) Crease recovery
 - (b) Wrinkle free
 - (c) Water absorbency
 - (d) Fabric Hand
53. One of the primary objectives to use laser fading technology in case of denim processing is:
- (a) Ecology and Economy
 - (b) Functionality
 - (c) Fashion
 - (d) All above three

54. Which fibre is soluble in 5% NaOH at room temperature?
- Cotton
 - Wool
 - Polyester
 - Acrylic
55. The fabric Property which does not have any aesthetics significance?
- Drape
 - Crease recovery
 - Wrinkle recovery
 - Compressive resilience
56. The type of stitch used for a temporary stitch:
- Chain stitch
 - Hand stitch
 - Lock stitch
 - Lock chain stitch
57. Feeding system normally used for sewing slippery fabric is:
- Drop feed
 - Compound feed
 - Unison feed
 - All three above
58. The most important property of the fabric to be used for a tie is :
- Breaking strength
 - Tearing strength
 - Flexural rigidity
 - Fabric Hand
59. Areal density in terms of gsm for shirting cloth mostly varies between:
- 50 -100
 - 100-150
 - 150-200
 - 200-250
60. The main classes of seam according to British standard and Federal standard are given below. Chose the correct match in which all four pairs are correct.
- | British standard | Federal standard |
|-------------------------|-------------------------|
| P. Class 1 | 1. Flat-FS |
| Q. Class 2 | 2. Lapped-LS |
| R. Class 3 | 3. Superimposed-SS |
| S. Class 4 | 4. Boundseam-BS |
- P-3,Q-4,R-2,S-1
 - P-3,Q-1,R-4,S-1
 - P-3,Q-4,R-1,S-2
 - P-3,Q-2,R-4,S-1

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61. Velvet cloth is normally sewn with
- (a) Drop feed
 - (b) Compound feed
 - (c) Unison feed
 - (d) Drop and Variable top feed
62. Steam is a flexible, adaptable, and efficient component of pressing mainly because :
- (a) It has very low heat content
 - (b) Its heat cannot be generated at a constant temperature
 - (c) It can be easily distributed and controlled
 - (d) Water is very expensive
63. Acid or enzymatic wash is not required if garment dyer uses
- (a) Pale reactive dye
 - (b) Pale direct dye
 - (c) Pale pigment
 - (d) Washable dye
64. Garment top dyeing is basically a process to dye
- (a) Only top side of the garments
 - (b) Only shirts, and not the pants
 - (c) Shirts of woollen fabric
 - (d) None of the above
65. To produce fine or intricate design in screen printing, a screen ofare required
- (a) Lower mesh and hard squeeze
 - (b) Higher mesh and hard squeeze
 - (c) Lower mesh and soft squeeze
 - (d) Higher mesh and soft squeeze
66. 3-D kind effect appears in
- (a) Glitter print
 - (b) Puff print
 - (c) Pearl print
 - (d) Metallic print
67. Which of the following statements is true?
- (a) Wales per cm of knitted garments increases after garment dyeing
 - (b) Wales per cm of knitted fabrics increases after fabric dyeing
 - (c) Wales per cm of knitted fabrics decreases after fabric dyeing
 - (d) Wales per cm of knitted garments decreases after garment dyeing

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68. To prevent seam puckering after dyeing one should use a stitching thread of
- (a) High elongation
 - (b) Low elongation
 - (c) High stretch ability
 - (d) None of the above
69. In order to minimize seam pucker in case of a square jammed fabric, it is advisable to put seam line along
- (a) Warp line
 - (b) Weft line
 - (c) Bias direction
 - (d) Warp direction with double stitch density
70. Bow and skewness measurement are carried out particularly in the case of
- (a) Check and stripe
 - (b) Plain fabric
 - (c) Jacquard design
 - (d) Crepe fabric
71. Change of stitch length is possible by
- (a) Changing Presser foot pressure
 - (b) Increasing speed of feed dog
 - (c) Decreasing Pre-tension
 - (d) Increasing needle penetration force
72. The highest peak tension of needle thread on tension-time diagram occurs When
- (a) Needle eye penetrates the fabric
 - (b) Thread take up lever completes its upward movement
 - (c) Position of interlacement is located outside the centre of plies
 - (d) Needle thread slips out of the rotating hook
73. Fabric areal density influences
- (a) Permeability
 - (b) Absorbency
 - (c) Drapeability
 - (d) All above
74. Which of the below dye has worst rub fastness?
- (a) Vat
 - (b) Reactive
 - (c) Disperse
 - (d) Azoic

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75. A fashion that long lasts is called
- (a) Classic
 - (b) Fad
 - (c) Trend
 - (d) Interrupted fashion
76. The percentage of sale profit paid to the designer brand name is known as
- (a) Royalty
 - (b) Profit
 - (c) Commission
 - (d) Margin
77. The study of man and his measurement is called :
- (a) Anatomy
 - (b) Anthropology
 - (c) Anthropometry
 - (d) Architecture
78. The extra amount of garment looseness is called
- (a) Measurement
 - (b) Wearing ease
 - (c) Proportion
 - (d) Dis- proportion
79. The phenomena that occurs in woven fabrics when yarns slide together along other yarns or a line of stitching is known as
- (a) Yarn severance
 - (b) Seam slippage
 - (c) Skipped stitch
 - (d) Stitch breakage
80. Increase or decrease in size of a pattern is called
- (a) Grading
 - (b) Cut and make
 - (c) Alteration
 - (d) Variation
81. The ability of a fabric to accommodate longitudinal, in-plane compressive strains without buckling is known as :
- (a) Sewability
 - (b) Extensibility
 - (c) Bending rigidity
 - (d) Formability

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82. Which of the following statements is true?
- (a) In side paddle machine, garments are allowed to sink at the bottom for and keep for more time for better levelling
 - (b) Circulation of the liquor should be strong enough to prevent goods from sinking at the bottom
 - (c) Very low liquor should be maintained for level dyeing
 - (d) None of the above is true
83. For PET articles dyeing, the preferable dyeing machine is
- (a) Horizontal paddle machine
 - (b) Lateral paddle machine
 - (c) HT paddle machine
 - (d) Both horizontal and lateral paddle machines
84. In pigment printing which of the thickener should be preferable
- (a) Starch based
 - (b) Sodium alginate
 - (c) Emulsion based
 - (d) None of the above
85. In bio-stonewashing of denim, the following agent is used
- (a) Protease
 - (b) Amylase
 - (c) Cellulase
 - (d) Lipase
86. Which of the following statements is correct?
- (a) Metallic print and glitter print is synonymous
 - (b) Metallic print provides smooth texture than glitter print
 - (c) Glitter print use smaller metallic particles in the ink than metallic print
 - (d) Glitter print ink does contain any metallic content
87. A stock of fabric plies that have been prepared for cutting is called
- (a) Lay
 - (b) Marker
 - (c) Fabric
 - (d) Bundle
88. The fabric produced by dual process of web formation and bonding is known as
- (a) Nonwoven
 - (b) Woven
 - (c) Knits
 - (d) Nets

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89. Stenter is used for ?
- (a) Heat Setting
 - (b) Drying
 - (c) Compacting
 - (d) Slitting
90. The means to communicate a store's fashion, value and quality message to prospective customers, called
- (a) Visual merchandising
 - (b) Buying merchant
 - (c) Buying house
 - (d) Presentation
91. _____ is the rippling of a seam that occurs just after sewing or after laundry
- (a) Seam pucker
 - (b) Feed pucker
 - (c) Tension
 - (d) Pilling
92. Markers made with full pattern pieces are called _____ markers.
- (a) Closed
 - (b) Short
 - (c) Open
 - (d) Rolled
93. In paddle machine dyeing can be carried out with
- (a) 50:1 to 60:1
 - (b) 40:1 to 50:1
 - (c) 30:1 to 40:1
 - (d) 80:1 to 90:1
94. Tumbler dyeing machines are used for:
- (a) Large garments
 - (b) Small garments
 - (c) Both large & small garments
 - (d) Nonwovens only
95. In which types of pressing the garments are hanged
- (a) Buck type Steam press
 - (b) Steam dolly
 - (c) Steam tunnel
 - (d) Portable Iron
96. Boilers, steam generated and vacuum systems are part of _____
- (a) Vacuum cutting
 - (b) Gerber machine
 - (c) Pressing system
 - (d) Laundry

97. Crinkled effect found along the seam of a garment due to differential stretch properties of two different fabric is called as _____
- (a) Puckering
 - (b) Rugged seam
 - (c) Bar tacking
 - (d) Batching up
98. Argon gas is used in _____ cutting machine.
- (a) Water jet
 - (b) Laser
 - (c) Ultrasonic
 - (d) Plasma
99. Skip stitch is an example of:
- (a) Minor defect
 - (b) Garment defect
 - (c) Minority defect
 - (d) Open stitches
100. Fusing commonly takes place at around:
- (a) 180 degree
 - (b) 150 degree
 - (c) 90 degree
 - (d) 100 degree
