

22356

23124

3 Hours / 70 Marks

Seat No.

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- Instructions* –
- (1) All Questions are *Compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Assume suitable data, if necessary.
 - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.
 - (7) Size charts are permissible.

Marks

1. Attempt any FIVE of the following:

10

- a) Contouring
- b) Cowls
- c) Dress Form
- d) Draping
- e) Grading
- f) Fish Dart
- g) Style Lines

P.T.O.

- 2. Attempt any THREE of the following:** **12**
- a) State the characteristics of oval figure. Suggest flaunting silhouette and style for men and women.
 - b) Stepwise procedure for preparation of material for draping.
 - c) State the principles of grading.
 - d) Differentiate between Track Grading and Nested Grading.
- 3. Attempt any THREE of the following:** **12**
- a) Describe the process of converting darts into pleats.
(any style)
 - b) Write the fitting problems associated with women's tops.
(any four)
 - c) Design a party wear outfit for a short & stout woman.
 - d) State the characteristics of Inverted Triangular figure and problems associated with it.
- 4. Attempt any THREE of the following:** **12**
- a) State the contouring principle and its guidelines in detail.
 - b) Step-by-step, write the process of making back cowls for a ladies top.
 - c) In 1/4 scale, draft a romper for a 1 year old baby.
 - d) State any 2 fitting problems associated men's trousers and give their remedies.
 - e) Describe the process of grading basic women's sleeve block from small to XL size.

5. Attempt any TWO of the following:**12**

- a) Design a saree blouse for a traditional function. Describe the process of converting the basic bodice block with 2-dart sloper into style lines for the same.
- b) Design and draft in 1/4 scale a layered skirt.(any size)
- c) In 1/4 scale, draft an evening gown with in '22' size.

6. Attempt any TWO of the following:**12**

- a) In 1/4 scale, draft a sherwani (Size 42)
- b) Write in detail the process of drafting a single breasted coat.
- c) Step by step, write the procedure of draping a women's basic skirt block.

Standard Body Measurements – Mature Figure (REGULAR MEN'S SIZING)

Height 170 cm–178 cm (5 ft 7 in–5 ft 10 in)

A SIZE CHART FOR OVERGARMENTS, TROUSERS

| | | | | | | | | | | |
|--|--|------|------|------|------|------|------|------|------|------|
| A | CHEST | 88 | 92 | 96 | 100 | 104 | 108 | 112 | 116 | 120 |
| B | SEAT | 92 | 96 | 100 | 104 | 108 | 114 | 118 | 122 | 126 |
| C | NATURAL WAIST | 74 | 78 | 82 | 86 | 90 | 98 | 102 | 106 | 110 |
| D | TROUSER WAIST (4 cm below natural waist) | 77 | 81 | 85 | 89 | 93 | 100 | 104 | 108 | 112 |
| E-F | HALF BACK | 18.5 | 19 | 19.5 | 20 | 20.5 | 21 | 21.5 | 22 | 22.5 |
| G-H | NATURAL WAIST LENGTH | 43.4 | 43.8 | 44.2 | 44.6 | 45 | 45 | 45 | 45 | 45 |
| G-I | SCYE DEPTH | 22 | 22.8 | 23.6 | 24.4 | 25.2 | 26 | 26.4 | 26.8 | 27.2 |
| J | NECK SIZE | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| K-L | SLEEVE LENGTH, ONE-PIECE SLEEVE | 63.6 | 64.2 | 64.8 | 65.4 | 66 | 66 | 66 | 66 | 66 |
| E-M | SLEEVE LENGTH, TWO-PIECE SLEEVE | 79 | 80 | 81 | 82 | 83 | 83.5 | 84 | 84.5 | 85 |
| N-O | INSIDE LEG | 78 | 79 | 80 | 81 | 82 | 82 | 82 | 82 | 82 |
| P-Q | BODY RISE | 26.8 | 27.2 | 27.6 | 28 | 28.4 | 28.8 | 29.2 | 29.6 | 30 |
| R | CLOSE WRIST MEASUREMENT | 16.4 | 16.8 | 17.2 | 17.6 | 18 | 18.4 | 18.8 | 19.2 | 19.6 |
| EXTRA MEASUREMENTS | | | | | | | | | | |
| varies with type of garment and with fashion | | | | | | | | | | |
| | GARMENT LENGTH | 27 | 28 | 29 | 30 | 31 | 31.6 | 32.2 | 32.8 | 33.4 |
| | CUFF SIZE, TWO-PIECE SLEEVE | 23.5 | 24 | 24.5 | 25 | 25.5 | 26 | 26 | 26 | 26 |
| | TROUSER BOTTOM MEASUREMENT | 20.5 | 21 | 21.5 | 22 | 22.5 | 23 | 23 | 23 | 23 |
| | JEANS BOTTOM MEASUREMENT | | | | | | | | | |

A Size Chart For Shirts – Mature and Athletic Figures

| | | | | | | | | | | |
|---------------------------|--------------------------|------|------|------|------|------|------|------|------|------|
| NECK (COLLAR SIZE) | | | | | | | | | | |
| A | CHEST | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| G-I | SCYE DEPTH | 88 | 92 | 96 | 100 | 104 | 108 | 112 | 116 | 120 |
| G-H | NATURAL WAIST LENGTH | 22 | 22.8 | 23.6 | 24.4 | 25.2 | 26 | 26.4 | 26.8 | 27.2 |
| E-F | HALF BACK | 43.4 | 43.8 | 44.2 | 44.6 | 45 | 45 | 45 | 45 | 45 |
| G-M | SLEEVE LENGTH FOR SHIRTS | 18.5 | 19 | 19.5 | 20 | 20.5 | 21 | 21.5 | 22 | 22.5 |
| | SLEEVE LENGTH | 84 | 84 | 85 | 85 | 85 | 87 | 87 | 87 | 87 |
| | SHIRT LENGTH | 76 | 78 | 80 | 81 | 81 | 82 | 82 | 82 | 82 |
| | CUFF SIZE FOR SHIRTS | 22 | 22.5 | 22.5 | 23 | 23 | 23.5 | 23.5 | 24 | 24 |

Standard Body : Measurements

The largest percentage of the population falls into medium height range, Although the girth of women varies, the general trend is for weight to increase with height. This feature is reflected in the size charts.

| SIZE SYMBOL | WOMEN OF MEDIUM HEIGHT 160cm-170cm (5ft 2 1/2in - 5ft 6 1/2in) | | | | | | | | | | | |
|-------------------------------|--|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| BUST | 80 | 84 | 88 | 92 | 97 | 102 | 107 | 112 | 117 | 122 | 127 | 132 |
| WAIST | 60 | 64 | 68 | 72 | 77 | 82 | 87 | 92 | 97 | 102 | 107 | 112 |
| HIPS | 85 | 89 | 93 | 97 | 102 | 107 | 112 | 117 | 122 | 127 | 132 | 137 |
| BACK WIDTH | 32.4 | 33.4 | 34.4 | 35.4 | 36.6 | 37.8 | 39 | 40.2 | 41.4 | 42.6 | 43.8 | 45 |
| CHEST | 30 | 31.2 | 32.4 | 33.6 | 35 | 36.5 | 38 | 39.5 | 41 | 42.5 | 44 | 45.5 |
| SHOULDER | 11.75 | 12 | 12.25 | 12.5 | 12.8 | 13.1 | 13.4 | 13.7 | 14 | 14.3 | 14.6 | 14.9 |
| NECK SIZE | 35 | 36 | 37 | 38 | 39.2 | 40.4 | 41.6 | 42.8 | 44 | 45.2 | 46.4 | 47.6 |
| DART | 5.8 | 6.4 | 7 | 7.6 | 8.2 | 8.8 | 9.4 | 10 | 10.6 | 11.2 | 11.8 | 12.4 |
| TOP ARM | 26 | 27.2 | 28.4 | 29.6 | 31 | 32.8 | 34.4 | 36 | 37.8 | 39.6 | 41.4 | 43.5 |
| WRIST | 15 | 15.5 | 16 | 16.5 | 17 | 17.5 | 18 | 18.5 | 19 | 19.5 | 20 | 20.5 |
| ANKLE | 23 | 23.5 | 24 | 24.5 | 25.1 | 25.7 | 26.3 | 26.9 | 27.5 | 28.1 | 28.7 | 29.3 |
| HIGH ANKLE | 20 | 20.5 | 21 | 21.5 | 22.1 | 22.7 | 23.3 | 23.9 | 24.5 | 25.1 | 25.7 | 26.3 |
| NAPE TO WAIST | 39 | 39.5 | 40 | 40.5 | 41 | 41.5 | 42 | 42.5 | 43 | 43.2 | 43.4 | 43.6 |
| FRONT SHOULDER TO WAIST | 39 | 39.5 | 40 | 40.5 | 41.3 | 42.1 | 42.9 | 43.7 | 44.5 | 45 | 45.5 | 46 |
| ARMHOLE DEPTH | 20 | 20.5 | 21 | 21.5 | 22 | 22.5 | 23 | 23.5 | 24.2 | 24.9 | 25.6 | 26.3 |
| WAIST TO KNEE | 57.5 | 58 | 58.5 | 59 | 59.5 | 60 | 60.5 | 61 | 61.25 | 61.5 | 61.75 | 62 |
| WAIST TO HIP | 20 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.5 | 22.7 | 22.9 |
| WAIST TO FLOOR | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 109.5 | 110 | 110.5 | 111 |
| BODY RISE | 26.6 | 27.3 | 28 | 28.7 | 29.4 | 30.1 | 30.8 | 31.5 | 32.5 | 33.5 | 34.5 | 35.5 |
| SLEEVE LENGTH | 57.2 | 57.8 | 58.4 | 59 | 59.5 | 60 | 60.5 | 61 | 61.2 | 61.4 | 61.6 | 61.8 |
| SLEEVE LENGTH (JERSEY) | 51.2 | 51.8 | 52.4 | 53 | 53.5 | 54 | 54.5 | 55 | 55.2 | 55.4 | 55.6 | 55.8 |
| Extra measurements (garments) | | | | | | | | | | | | |
| CUFF SIZE SHIRTS | 21 | 21 | 21.5 | 21.5 | 22 | 22.5 | 23 | 23.5 | 24 | 24.5 | 25 | 25.5 |
| CUFF SIZE, TWO-PIECE SLEEVE | 13.25 | 13.5 | 13.75 | 14 | 14.25 | 14.5 | 14.75 | 15 | 15.25 | 15.5 | 15.75 | 16 |
| TROUSER BOTTOM WIDTH | 21 | 21.5 | 22 | 22.5 | 23 | 23.5 | 24 | 24.5 | 25.4 | 26.2 | 27 | 27.8 |
| JEANS BOTTOM WIDTH | 18.5 | 18.5 | 19 | 19 | 19.5 | 20 | 20.5 | 21 | | | | |

Size charts for tall or short women have each vertical measurement adjusted as follows.

| | SHORT WOMEN 152cm-160cm (4ft 11 1/2in - 5ft 2 1/2in) | TALL WOMEN 170cm-178cm (4ft 11 1/2in - 5ft 2 1/2in) |
|----------------|---|--|
| NAPE TO WAIST | -2cm | +2 cm |
| SCYE DEPTH | -0.8cm | +0.8cm |
| SLEEVE LENGTH | -2.5cm | +2.5cm |
| WAIST TO KNEE | -3cm | +3cm |
| WAIST TO FLOOR | -5cm | +5cm |
| BODY RISE | -1cm | +1cm |

Standard Body Measurements

Important note Boys and girls, 92cm-116cm height; approximate age 2-6 years
 The standard measurements have been calculated from a measurement survey of children's body measurements. They have been calculated so that when they are used to construct the blocks, the blocks will fit approximately 75% of children in the height interval. The measurements on the chart have been marginally adjusted for easy size labelling and to give sensible grading intervals. However the balance over a range of sizes has been maintained.

| A | HEIGHT APPROXIMATE AGE | 92 | 98 | 104 | 110 | 116 |
|--------------------------------------|-----------------------------|------|------|------|------|------|
| | | 2 | 3 | 4 | 5 | 6 |
| B | CHEST | 54 | 55 | 57 | 59 | 61 |
| C | WAIST | 53 | 54 | 55 | 56 | 58 |
| D | HIP/SEAT | 56 | 58 | 60 | 62 | 65 |
| E | ACROSS BACK | 22 | 22.8 | 23.6 | 24.4 | 25.2 |
| F | NECK SIZE | 26.4 | 27 | 27.6 | 28.2 | 28.8 |
| G-H | SHOULDER | 7 | 7.4 | 7.8 | 8.2 | 8.6 |
| I | UPPER ARM | 18 | 18.4 | 18.8 | 19.2 | 19.6 |
| J | WRIST | 13 | 13.2 | 13.4 | 13.6 | 13.8 |
| K-L | SCYE DEPTH | 12.6 | 13.2 | 13.8 | 14.4 | 15 |
| K-M | NECK TO WAIST | 22 | 23.2 | 24.4 | 25.6 | 26.8 |
| M-N | WAIST TO HIP | 11.4 | 12 | 12.6 | 13.2 | 13.8 |
| K-O | CERVICAL HEIGHT | 75.5 | 80.8 | 86.1 | 91.4 | 96.7 |
| M-P | WAIST TO KNEE | 31 | 33 | 35 | 37 | 39 |
| Q-R | BODY RISE | 16.5 | 17.3 | 18.1 | 18.9 | 19.7 |
| S-O | INSIDE LEG | 38 | 42 | 45 | 48 | 52 |
| H-T | SLEEVE LENGTH | 32 | 34.5 | 37 | 39.5 | 42 |
| U | HEAD CIRCUMFERENCE | 51 | 51.6 | 52.2 | 52.8 | 53.4 |
| V | VERTICAL TRUNK | 97 | 101 | 105 | 109 | 113 |
| Extra measurements (garments) | | | | | | |
| | CUFF SIZE, TWO-PIECE SLEEVE | 10 | 10.2 | 10.4 | 10.6 | 10.8 |
| | CUFF SIZE, SHIRTS | 15.4 | 15.6 | 15.8 | 16 | 16.2 |
| | TROUSER BOTTOM WIDTH | 15.5 | 16 | 16.5 | 17 | 17.5 |
| | JEANS BOTTOM WIDTH | 13.5 | 14 | 14.5 | 15 | 15.5 |

Boys from the age of four start to develop larger waists and smaller hips than girls. The size chart above should be used for garments for both sexes. Manufacturers of boys' wear only may wish to use the waist and hip measurements shown below.

| Measurements for boys' wear only | | | | | | |
|----------------------------------|----------------|----|----|----|----|----|
| C | BOYS' WAIST | 53 | 54 | 55 | 57 | 59 |
| D | BOYS' HIP/SEAT | 56 | 58 | 60 | 62 | 64 |