

# 17219

**16172**

**3 Hours / 100 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) Assume suitable data, if necessary.
  - (5) Use size chart provided along with question paper.

**Marks**

**1. Attempt any TEN of the following :**

**10 × 2 = 20**

- (a) Enlist methods of measurement.
- (b) Define pattern making.
- (c) Enlist patterning tools.
- (d) List out the types of patterns.
- (e) Write the measurement for Romper block.
- (f) Design the men's shirt (Any 2 styles)
- (g) Illustrate any 2 sleeve silhouettes & name it.
- (h) Define ease allowance.
- (i) Define the seam allowance.
- (j) Illustrate any two collar styles.
- (k) Illustrate any two placket styles.
- (l) Enlist any 4 vertical measurements for upper bodice.
- (m) Sketch & state function of Tailor chalk & 114<sup>th</sup> scale.
- (n) State objective of standard measurement charts.

2. Attempt any TWO :

2 × 8 = 16

- (a) Define drafting. Explain following terms :
  - (i) Dart manipulation
  - (ii) Added fullness
  - (iii) contouring
- (b) Draft a pattern for kid’s A-line frock with their drafting details. (size – 1-2 year refer size chart-1)

**Standard Body Measurements Unisex 1–14 years**

**Unisex 80–164cm height**

The measurement chart has been constructed for companies who specialise in leisurewear or who wish to produce a reduced size range. The chart is unisex; note that the main differences between girls’ and boys’ figures are their waist and hip measurements; a compromise between their measurements is given in this chart. All the measurements 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.

A	HEIGHT APPROXIMATE AGE	80 -1	92 1-2	104 3-4	116 5-6	128 7-8	140 9-10	152 11-12	164 13-14
B	CHEST	49	53	57	61	67	73	79	85
C	WAIST	46	50	54	58	61	64	67	70
D	HIP/SEAT	50	55	60	65	72	78	84	90
E	ACROSS BACK	20.4	22	23.6	25.2	27.6	30	32.4	34.8
F	NECK SIZE	25.5	26.5	27.5	28.5	30	32	34	36
G-H	SHOULDER	6.4	7.2	8	8.8	9.8	10.8	11.8	12.8
I	UPPER ARM	17.2	18	18.8	19.6	21	22.4	23.8	25.2
J	WRIST	12.2	12.8	13.4	14	14.6	15.2	15.8	16.4
K-L	SCYE DEPTH	11.4	12.6	13.8	15	16.4	17.8	19.2	20.6
K-M	BACK NECK-WAIST	20.6	23	25.4	27.8	30.2	33	35.8	38.6
M-N	WAIST-HIP	10.2	11.4	12.6	13.8	15	16.5	18	19.5
K-O	CERVICAL HEIGHT	64.2	75	85.8	96.6	107.4	118.2	129	139.8
M-P	WAIST-KNEE	28	32	36	40	44	48	52	56
O-R	BODY RISE	14.2	16	17.8	19.6	21.4	23.2	25	26.8
S-O	INSIDE LEG	31	38	45	52	58	64	70	76
H-T	SLEEVE LENGTH	27	32	37	42	47	51.5	56	60.5
U	HEAD CIRCUMFERENCE	48.5	50	51.5	53	54	55	56	57
W	ANKLE GIRTH	14	15	16	17	18	19	20	21
<b>Extra measurements (garments)</b>									
	CUFF SIZE, SHIRTS	15	15.4	15.8	16.2	17	18	19	21
	TROUSER BOTTOM WIDTH	15	15.5	16.5	17.5	18.5	19.5	20.5	21.5
	JEANS BOTTOM WIDTH	13	13.5	14.5	15.5	16.5	17.5	18.5	19

**Size chart - 1**

- (c) Draft the following collar adaptations :
  - (i) Roll collar
  - (ii) Shawl collar

3. Attempt any TWO of the following :

2 × 8 = 16

- (a) Define Draping. Explain principles involved in patterning.
- (b) Draft a pattern for trouser block with its drafting instructions. (size waist – 85, Refer size chart-3)

**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
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
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**

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

Size chart - 3

- (c) Draft the following sleeve adaptations :
  - (i) Raglan sleeve
  - (ii) Puff sleeve

4. Attempt any TWO :

2 × 8 = 16

- (a) Compare Bespoke method & industrial method of patterning. Explain following terms :
  - (i) Block pattern
  - (ii) Adaptation pattern
- (b) Draft a pattern for women's basic skirt with drafting instructions. (size waist 64 Refer size chart-2)

**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	43.2
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	41.3	42.1	42.9	43.7	44.5	45	45.5	46
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
<b>Extra measurements (garments)</b>												
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 (5ft 6 1/2in-5ft 9 1/2in)
NAPE TO WAIST	-2cm	+2cm
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

Size chart - 2

- (c) Draft the following collar adaptations :
- (i) Peter pan collar
  - (ii) Stand collar

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

**2 × 8 = 16**

- (a) Draft the pattern of Men's shirt block with drafting instruction.  
(size 40. Refer size chart-3)
- (b) Illustrate following garment styles.
- (i) Frock
  - (ii) Trouser
  - (iii) Jackets
  - (iv) Kurta
- [Each 2 design]
- (c) Explain the relationship of sleeve crown height with fit of garment.

**6. Attempt any TWO :**

**2 × 8 = 16**

- (a) Sketch & Explain following Terms :
- (i) Horizontal measurement
  - (ii) Circumference measurement
- (b) Sketch & state the functions of different measuring & patterning tools.
- (c) Illustrate adaptations made in the basic sleeve block for following types of sleeves :
- (i) Tulip sleeve
  - (ii) Cap sleeve
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