

22237

11819

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) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.
 - (7) Refer size charts.

Marks

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

10

- (a) Enlist the standard measurement charts used in garment industry.
- (b) Define 'Pattern Drafting'.
- (c) List any two tracing tools used in apparel industry and state their use.
- (d) Draw the symbols of pleats and darts used in paper templates.
- (e) State the measurements required for drafting A-line frock.
- (f) Sketch the yoke part for men's basic shirt and state its location.
- (g) Sketch the type of sleeve used for men's sports wear.

2. **Attempt any THREE of the following :**

12

- (a) Explain the functions of cutting tools with neat sketch.
- (b) Differentiate between bespoke method and industrial method of pattern making.
- (c) Describe the following garment components – (i) Sleeve (ii) Collar (iii) Fly (iv) Basic bodice for kids.
- (d) Draft the bishop sleeve & describe its drafting details. [Refer any size]

[1 of 6]

P.T.O.

- 3. Attempt any THREE of the following : 12**
- (a) Explain the types of measurements taken for pattern making.
 - (b) Describe the types of patterns used in apparel industry.
 - (c) Illustrate the Peter pan collar and show its construction steps. [Refer any size]
 - (d) Draft the women's nighty block with construction details. [Size 30]
- 4. Attempt any THREE of the following : 12**
- (a) Describe the principles of pattern making.
 - (b) Adapt the leg-o-mutton sleeve from basic sleeve.
 - (c) Draft the women's salwar block with its drafting details. [Refer any size]
 - (d) Draft the waist line frock with drafting details. [Size 24]
 - (e) Adapt tulip sleeve from basic sleeve.
- 5. Attempt any TWO of the following : 12**
- (a) Draft boy's shorts with drafting details. [size/height 116].
 - (b) Sketch and compare Kimono sleeve with Dolman sleeve.
 - (c) Draft the men's trouser block and explain style variations from basic trouser.
- 6. Attempt any TWO of the following : 12**
- (a) Draft the stand collar and shawl collar with their details.
 - (b) Sketch the casual men's shirt and draft the shirt block for the same. (Refer any size)
 - (c) Draft the basic shirt collar and sleeve. [Refer any size]
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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	25.8	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										
GARMENT LENGTH		<i>varies with type of garment and with fashion</i>								
CUFF SIZE, TWO-PIECE SLEEVE		27	28	29	30	31	31.6	32.2	32.8	33.4
TROUSER BOTTOM MEASUREMENT		23.5	24	24.5	25	25.5	26	26	26	26
JEANS BOTTOM MEASUREMENT		20.5	21	21.5	22	22.5	23	23	23	23

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 (5ft 2 1/2 in-5ft 6 1/2 in)											
	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
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 1/2 in-5ft 2 1/2 in)	TALL WOMEN 170cm-178cm (5ft 6 1/2 in-5ft 9 1/2 in)
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

Standard Body Measurements

Boys and girls, 92cm-116cm height: approximate age 2-6 years
Important note 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
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	7.4	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

