

# 22356

**11819**

**3 Hours / 70 Marks**

Seat No.

--	--	--	--	--	--	--	--

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

**Marks**

- 1. Attempt any FIVE of the following:** **10**
- a) Define the term contouring and give one example of garment where it is applied.
- b) Define 'dart'.
- c) Enlist different human figure types.
- d) Give steps to convert a draft of garment of size 38 into size 34.
- e) Define the term 'draping'.
- f) Enlist types of garments created with the help of draping.
- g) Name any two softwares used for grading patterns.

P.T.O.

- 2. Attempt any THREE of the following: 12**
- a) Draft a 1/4 scale adult women basic bodice block and convert the waist dart into a big French dart (any size)
  - b) Construct a corset draft for the top bodice (front and back)
  - c) Explain each step involved in stitching a Kotori choli with neat sketch.
  - d) Differentiate between pattern making and pattern draping.
- 3. Attempt any THREE of the following: 12**
- a) Difference between tucks and pleats.
  - b) State any two fitting problems associated with women's jump suit or a dress and suggest remedy for the same.
  - c) Describe the preparatory process before constructing any draping garment.
  - d) Explain the principles of grading.
- 4. Attempt any THREE of the following: 12**
- a) Describe the conversion of dart into accordion pleat.
  - b) Enlist the problems associated with triangular and inverted triangular human figures. Suggest proper garment fittings for the same.
  - c) Illustrate a dress for a short fat girl who is 25 year old and requires a appropriate out fit for office wear. Suggest her the fitting instructions for stitching the same.
  - d) Explain the use of different tools required for draping.
  - e) Explain the fitting problems associated with short and stout women's figures.

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

- a) Draft a high cowl top on a low cowl skirt with help of adults basic bodice and skirt block (any size)
- b) Draft a men's formal trouser or shirt. (any size)
- c) Illustrate and also mention the steps required for construction of handkerchief skirt and also suggest the suitable human figure type for the same.

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

- a) (i) Describe the procedure to convert basic skirt into fish tail skirt.  
(ii) Illustrate the two varieties of fish - tail skirt.
- b) Kareena has an hour glass figure and wants to attend a star gold awards suggest the clothing to her. Illustrate and explain the fittings.
- c) Manually grade a women's halter neck top into S, M and L size (S - small, M - Medium, L - Large) Write the grading steps for the same.

**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
<b>EXTRA MEASUREMENTS</b>										
GARMENT LENGTH										
CUFF SIZE, TWO-PIECE SLEEVE										
TROUSER BOTTOM MEASUREMENT										
JEANS BOTTOM MEASUREMENT										
<i>varies with type of garment and with fashion</i>										
27 28 29 30 31										
23.5 24 24.5 25 25.5										
20.5 21 21.5 22 22.5										
31.6 32.2 32.8 33.4										
26 26 26 26										
23 23 23 23										

**A Size Chart For Shirts – Mature and Athletic Figures**

<b>NECK (COLLAR SIZE)</b>										
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
SHIRT LENGTH										
CUFF SIZE FOR SHIRTS										
84 84 85 85 85 85										
76 78 80 81 81 81										
22 22.5 22.5 23 23 23										
23.5 23.5 23.5 24 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 weigh to increase with height. This feature is reflected in the size charts.

SIZE SYMBOL	WOMEN OF- MEDIUM HEIGHT 160cm-170cm (5ft 2½in - 5ft 6½in)											
	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	35.5
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 11½in - 5ft 2½in)	TALL WOMEN 170cm-178cm (4ft 11½in - 5ft 2½in)
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

**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	92	98	104	110	116
APPROXIMATE AGE		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
<b>Extra measurements (garments)</b>						
	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.

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

**Marks**