

22356

11920

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

Marks

1. Attempt any FIVE of the following:

10

- Enlist types of darts.
- Illustrate any two styles of skirts.
- Design one one piece gown with corset.
- Suggest trouser fitting for bulged thighs.
- List out the tools used in draping.
- State the concept of nested grading.
- Define grading.

2. Attempt any THREE of the following:

12

- Describe various type of cowls with illustrative sketches.
- Draft layered skirt for 3 year old girl. (Refer size chart).
- Differentiate tall and thin figures, over garment fitting analysis.
- Grade basic bodice block. for +1 and -1 size.

P.T.O.

- 3. Attempt any THREE of the following:** **12**
- a) Explain added fullness technique.
 - b) Draft off-shoulder ladies top. (Refer any size)
 - c) Sketch an hourglass figure and suggest any two style-lines for the same.
 - d) Difference between tucks and pleats.
- 4. Attempt any THREE of the following:** **12**
- a) State the principles of contouring.
 - b) Draft fish tail skirt for women - age 32 yrs. (Refer size chart).
 - c) Describe any two fitting problems related to men's lower garment and suggest their remedies.
 - d) Explain draping procedure for basic skirt block.
 - e) Grade the basic sleeve block for adjacent sizes.
- 5. Attempt any TWO of the following:** **12**
- a) Design any one pleated top and explain conversion of darts into pleats.
 - b) Draft men's sherwani block (Refer any size)
 - c) Illustrate traingular and inverted triangular figures. Suggest two stylelines each for the same.
- 6. Attempt any TWO of the following:** **12**
- a) Explain dart manipulation techniques.
 - b) Draft halter top for 7 year old girl. (Refer size chart).
 - c) Suggest remedies on fittings in upper garments for women with illustrative sketches.

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.

WOMEN OF MEDIUM HEIGHT 160cm-170cm (5ft 2½ - 5ft 6½ in)												
SIZE SYMBOL	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	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 152 cm - 160 cm (4ft 11½ in - 5ft 2½ in)	TALL WOMEN 170 cm - 178 cm (4ft 11½ in - 5ft 2½ 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 – 116 cm 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
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

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 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

A Size Chart For Shirts - Mature and Athletic Figures

	NECK (COLLAR SIZE)	37	38	39	40	41	42	43	44	45
A	CHEST	88	92	96	100	104	108	112	116	120
G-I	SCYE DEPTH	22	22.8	23.6	24.4	25.2	26	26.4	26.8	27.2
G-H	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-M	SLEEVE LENGTH FOR SHIRTS	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