

22237

21819

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) Assume suitable data, if necessary.
- (5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.
- (6) Size charts are permissible.

Marks

- 1. Attempt any FIVE of the following: 10**
- a) State the uses of the tracing wheel.
- b) Illustrate the men's shirt collar.
- c) Define 'bias'. Show the true bias in a diagram.
- d) State the meaning of Bespoke method of pattern making.
- e) Illustrate the sailor's collar.
- f) Illustrate the Tulip sleeve.
- g) State two uses of the 1/4th scale.
- 2. Attempt any THREE of the following: 12**
- a) Explain the basic classification of collars.
- b) Describe the different measurement types in brief.

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- c) Show the diagrams of any two types of roll collars and state their features.
- d) Explain any two types of plain sleeves.
- 3. Attempt any THREE of the following: 12**
- a) Write the steps of drafting the basic sleeve for women.
- b) Illustrate any two styles of shawl collars.
- c) In 1/4th scale, draft the basic men's shirt sleeve (size 40).
- d) Explain any one cutting tool in detail.
- 4. Attempt any THREE of the following: 12**
- a) Explain the importance of draping technique.
- b) Show the diagram of basic bodice block for women and mark all the important lines and points (any size).
- c) Write the steps of drafting the kimono sleeve.
- d) In 1/4th scale, draft the men's shirt collar for size 42.
- e) Explain the conversion of plain sleeve to a puffed sleeve at cap.
- 5. Attempt any TWO of the following: 12**
- a) Explain in detail the adaptation of the basic block into a princess line Kurta with the help of a diagram.
- b) In 1/4th scale draft a waist-line frock-age six years.
- c) In 1/4th scale, draft a two piece nighty-size 34.
- 6. Attempt any TWO of the following: 12**
- a) In 1/4th scale, draft boy's shorts (age eight years). Write the steps for drafting.
- b) In 1/4th scale, draft the flat front trouser block-size 34 and write its method.
- c) In 1/4th scale, draft the men's shirt block-size 40 and write the steps of drafting.

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		<i>varies with type of garment and with fashion</i>								
GARMENT LENGTH										
	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.

WOMEN OF MEDIUM HEIGHT 160cm-170cm (5ft 2½ in - 5 ft 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	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 152 cm - 160 cm (4ft 11½ in - 5ft 2½ in)	TALL WOMEN 170 cm - 178 cm (5ft 6½ in - 5ft 9½ 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