

Subject: Apparel Manufacturing I Lab

Experiment no. 05

Experiment name: Study on Principle of pattern making for shirt (Sleeve, collar, cuff)

Student Name:

Student ID with level & term:

Semester:

Principle of Pattern Making for a Shirt

According to the Standard Measurement, 40cm Neck and 100cm Chest for a body the principle pattern making of a shirt is given below:

To make the pattern the necessary measurements are given below:

Neck Size	: 40cm
Chest	: 100cm
Scye Depth	: 24.4cm
Natural Waist Length	: 44.6cm
Half Back	: 20cm
Sleeve Length	: 80cm
Cuff Size	: 23cm
Cuff Depth	: 7cm
Shirt Length	: 81cm

Then divided the lines (0-4) & (0-6) into four equal parts and indicates the points 8, 9, 10 & 11, 12, 13 respectively. Then draw the sleeve head by increasing (4-8) & (8-9) 1cm and 2cm from 10 in upwards. Then by '0' point 1cm increased from 11 in upwards and by '12' point, curve is drawn from 13 in 1cm downwards until the point 6 is found.

(5-14) : One third of (2-5)

(7-15) : One third of (2-7)

16 : Midpoint of ((5-14). Then added (4-16)

17 : Midpoint of (7-15). Then added (6-17). After that made under arm seam line by drawn the curves (4-14) & (6-15).

18 : Midpoint of (2-14). Then from 18 drawn two straight lines (18-20) and (18-19) at negative direction to each other in right angle with (2-14) line.

(18-19): 12cm

(18-20): 1cm. Then drawn a curve with 2, 20, 14.

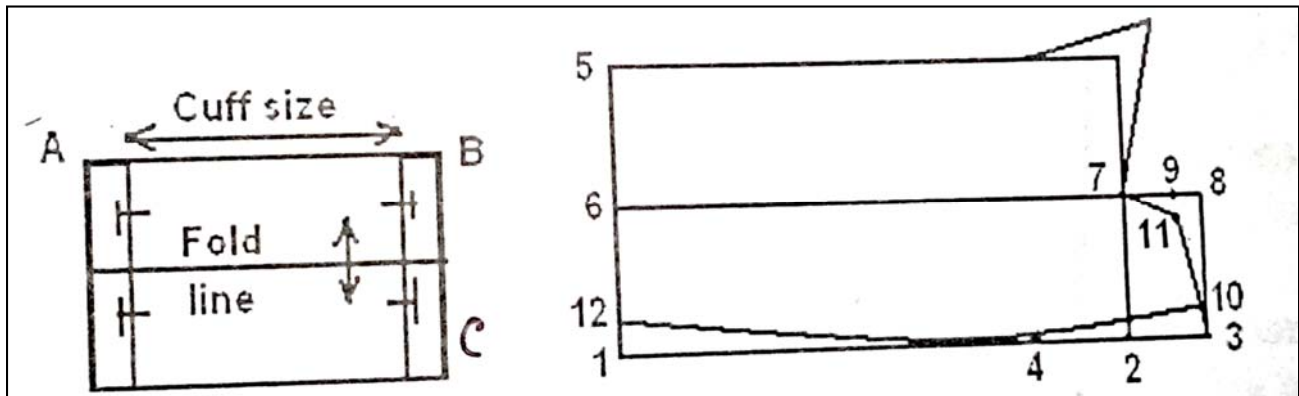


Figure 3: Cuff & Collar Section

Cuff Section:

(A-B) : Cuff Size + 4cm

(B-C) : (Cuff Depth X 2) + 2cm.

If is needed to make two patterns for two cuffs.

Collar Section:

(1-2) : Half Neck.

(2-3) : Button Stand + 1.25cm.

(1-4) : Three fourth of (1-2). Then drawn three vertical lines on the straight line (1-3) from 1, 2 & 3.

(1-5) : Width of Collar and Stand (generally 8cm) + 2cm. Then from 5 drawn a horizontal line with (1-2).

(1-6) : Half of (1-5). Then from 6 drawn a vertical line in right angle with (1-5) line so that indicates the points 7 & 8.

(8-9) : 1cm. Then from (3-9) drawn a straight line of 0.75cm from (9-11) & (3-10).

(1-12) : 0.5cm.

(5-7) : Drawn the Style Line.

Then added the points 12, 4, 10, 11, 7 & 5 and made half pattern of collar and then full collar is made from half collar. It can be made different way according to style.

Calculation:

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