

17336

16117

3 Hours / 100 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) Assume suitable data, if necessary.

Marks

1. Attempt any TEN :

20

- (a) Define 'Cotton Count' & 'Tex'.
- (b) State the meaning of 'EP dm & PP dm'.
- (c) Give the significance of Cover Factor.
- (d) How to identify unbalanced weave & unbalance cloth ?
- (e) Enumerate 'Seer-Sucker' effect in the cloth.
- (f) Draw (5 end) twill weave.
- (g) Mention the features of irregular satin weave.
- (h) State the speciality of 'Brighton Honey Comb'.
- (i) Show the denting order of Bed-ford cord.
- (j) What is the principle of leno-structure ?
- (k) Write the procedure of finding crimp % of a yarn.
- (l) Mention the concept of weave repeat.

2. Solve any FOUR :**16**

- (a) How to find cloth weight per square meter ?
- (b) Enumerate the characteristic features of Dhoti & Drill.
- (c) Mark warp rib design for 4 repeats. (Irregular)
- (d) Draw design & Interlacement diagram Of Irregular Matt Weave.
- (e) Show cross-section of warp with design of regular weft rib. (3 repeats)
- (f) Compare with the four points warp rib & weft rib weaves. (Regular)

3. Solve any FOUR :**16**

- (a) What is meant by 'Balancing of warp pattern' ?
- (b) Describe with example the ornamentation of plain cloth using 'Variation of Twist'.
- (c) Draw design, draft & peg plan of $\frac{3}{2} \frac{2}{1}$ right hand twill weave.
- (d) Give the weft cross-section & design of $\frac{3}{1} \frac{1}{3}$ left hand twill weave.
- (e) Show transposed twill design & interlacement completing on 8 heald shafts.
- (f) Compare four features of warp & weft faced twill with an example.

4. Solve any FOUR :**16**

- (a) State the rules of satin weave mark selection.
- (b) Draw 8 end sateen weave.
- (c) Mention features of satin & sateen weaves & fabrics.
- (d) Draw 'Diamond' weave on 16 threads.
- (e) Using $\frac{3}{3}$ show the design of Herring – Bone twill weave for 2 repeats of design.
- (f) Describe the steps in drawing a design of 'Transposed Twill'.

5. Solve any TWO : 16

- (a) Mark a design for Brighton Honey Comb fancy structure.
- (b) Give 4 features of crepe fabric & draw crepe design using one motif.
- (c) Compare leno & Mock-leno (four points) & draw a design for Mock-leno. Mention its uses.

6. Solve any TWO : 16

- (a) Draw warp & weft cross sections & design of 12 ends Bedford Cord.
 - (b) Enumerate two each principles, classification and requirements of double cloth manufacturing.
 - (c) Describe with sketch the formation of piles (3-pick Terry) on both sides.
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