

17336

15116

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

Marks

1. Answer any TEN :

20

- Mention the quality particulars of 'CAMBRIC'.
- What is 'PLAIN WEAVE' ?
- What are the characteristics of 'PLAIN FABRIC' ?
- What are the methods of ornamentation in plain weave by various means ?
- State the method of ornamentation of plain cloth by variation of twist.
- Give approximate quality particulars of a DRILL CLOTH.
- State the different derivatives of a TWILL weave.
- Mark only Design of Regular Weft sateen on 8 threads.
- What are Brighton Honey comb structures ?
- Write applications of Bedford cord.
- What are compound structure and fabrics ?
- Classify pile fabrics.
- In a Leno weaving, what is the function of Easer bar and Shaker device ?

2. Answer any FOUR :

16

- Define "COTTON COUNT".
- State at least four commercial fabrics having plain structure with different setts and yarn counts.

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- (c) Mention the quality particulars and characteristic features of Poplin and Georgette.
- (d) What are different types of Drafts ? Describe briefly.
- (e) Mark Design, Draft and Peg-plan for Warp Rib and Weft Rib weave.
- (f) Explain concept of balanced and unbalanced cloth.

3. Answer any FOUR : 16

- (a) What are the characteristics of Rib-weave fabrics ? Compare warp & weft ribs.
- (b) Give quality particulars of grey sheeting.
- (c) Distinguish between Rib and Repp fabrics.
- (d) Explain method of ornamentation of plain cloth by variation in twist.
- (e) Explain method of ornamentation of plain cloth by shadow effect.
- (f) Give the design, draft, denting and lifting plans of Herring-bone twill.

4. Answer any FOUR : 16

- (a) Give the design, draft and peg plan of diamond twill.
- (b) Give the design, draft and peg-plan of pointed twill.
- (c) Give the design, draft and peg-plan of Herring-bone twill, base on 2/2 twill repeating on 16 ends and 8 picks.
- (d) Mark Twill check, repeat for basic weave 3/2 twill.
- (e) Compare Weft Sateen and Warp Satin Weave.
- (f) What are characteristics of Warp Satin Weave ? For which types of cloth the weave is used ?

5. Answer any FOUR : 16

- (a) Explain briefly the object and method of analysis of woven cloth.
- (b) What are characteristics of Huck-a-back structure ?
- (c) What are Fancy Weaves and fabrics ?
- (d) Mark only two designs of CREPE WEAVE.
- (e) Draw only design of Brighton Honey Comb (16 × 16)
- (f) Draw thread diagram shows formation of 3-pick terry structure with piles on both sides.

6. Answer any FOUR :**16**

- (a) Draw a design and cross sectional view for plain faced bed ford cord.
 - (b) What are BACKED cloths ?
 - (c) Classify DOUBLE CLOTHS.
 - (d) Draw design only for Pique structure.
 - (e) Compare extra warp figuring and extra weft figuring.
 - (f) Sketch three basic sheds required for Leno structure.
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