



PART B — (5 × 16 = 80 marks)

11. (a) With examples give an outline of the various types of plain weave derivatives and their application.

Or

- (b) Classify the different methods of producing crepe fabrics. Give their designs and quality particulars.

12. (a) Give the design, draft, leg-plan and cross-section of a plain faced bed-ford cord with cutting and facing ends in the ratio of 2:8 respectively.

Or

- (b) Explain the design, draft and cross-section of the following pique structures:

(i) Plain pique structure with Cutting: Facing: Wadding picks in the ratio 1 : 4 : 1.

(ii) Fast back pique structure repeating on 16 picks.

13. (a) Give a detailed account of light theory of colour and its application.

Or

- (b) Explain with examples the various types of backed fabric designs and their application.

14. (a) Classify the various types of weft pile fabrics and explain any two varieties in detail.

Or

- (b) Give an account of the various types of stitches applied in double cloths. With example explain any one in detail.

15. (a) Discuss the design, draft and peg plan of a dobby based damask structure. Also give its quality particulars and the loom requirements to weave this cloth.

Or

- (b) Explain in detail the principle and operation of an inverted hook jacquard.