

2.13 31533 BINDING & PACKAGING

UNIT-1 WAREHOUSE AND BINDING OPERATIONS

- 1.1 Printed paper warehouse and unprinted paper warehouse, storing, temperature, humidity, materials handling, safety.
- 1.2 International paper sizes, Conventional paper sizes, and sub- divisions of paper.
- 1.3 Book Binding: styles of book binding, basic equipment's used in binding.
- 1.4 Binding Operations: Jogging, folding gathering, collating, stitching, sewing, cutting and trimming operations,
- 1.5 Machines in use. Treatment of plates and maps, tipping and guarding.

UNIT-2 SECURING OPERATIONS

- 2.1 Use of thread, tape, cord, wire-stitching, looping, gluing, pasting, and covering.
- 2.2 Different kinds of sewing, cord sewing and tape sewing, hand sewing and machine sewing,
- 2.3 Two on through and all along sewing, over casting for loose-leaf works, suitability for different styles of binding.
- 2.4 End papers: single, made end paper, cloth-joint, leather-joint, fly leaf, zigzag end papers, their objectives.

UNIT-3 FORWARDING OPERATIONS

- 3.1 In board and out board forwarding, different kinds of binding and styles, publishers, library,
- 3.2 Miscellaneous and deluxe extra leather, stationery binding- characteristics.
- 3.3 Gluing the back, rounding and backing, objects, care and precautions,
- 3.4 Reducing swell in the back, flat backs, back lining.

UNIT-4 ADHESIVE BINDING

- 4.1 Thermoplastic, unsewn,
- 4.2 Thread less and perfect binding.

UNIT-5 PREPARATION AND ATTACHING BOARDS

- 5.1 Dimensional variation of boards, lining.
- 5.2 Cutting to size, warping of boards, prevention, attaching boards, laching-in.

UNIT-6 COVERING OPERATIONS

- 6.1 Different kinds of covering materials, selecting leather or other materials, measuring and cutting to size and shape,
- 6.2 Applying adhesive and turning-in, pressing, setting the groove or joints,
- 6.3 Setting the head, setting the band, polishing, pressing and pasting down.

UNIT-7 FINISHING

- 7.1 Miscellaneous Operations: Cutting, Creasing,
- 7.2 Numbering, Perforating, Embossing, Thermography, etc.

- 7.3 Decorating the cover of the book with the finishing tools, blind blocking, gold blocking, and sliding hand tools, fillets, gallets, rules and mitre,
- 7.4 Lettering, type holder, brass type, marking for tooling and lettering, heating,
- 7.5 Testing and pressing, cleaning, inlaying, lacing and bands open-up and pressing.
- 7.6 Edge decoration, colouring, spraying, marbling, and gilding, gauffering or tooling the edges,
- 7.7 Head bands, Book mark, Bode mark, handmade and machine made head bands.

Reference books:

- 1. Martin, A.G., Finishing Process in Printing, Focal, 1972.
- 2. Johnson, A.W., Manual of Book Binding, Thames and Hudson.
- 3. Alex J. Vaughan, Modern Book binding
- 4. Learance Twon, Bookbinding by Hand.

