PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of Textile Engineering

Faculty Name: - Ms. Manju Singh Subject Name: - FABRIC MANUFACTURING-II

Year/Semester: - 2nd / 4th Subject Code: - PCC-TEX-206A

Unit I Unit I Unit I Let Off Motion: Objective, negative let off motion, positive let off motion- basic requirements, tension control mechanism, electrical let off motion, warp tension variation. Auxiliary motion: Objective, classification. Weft Stop motion: Objective, side weft fork motion, center weft fork motion. Warp Stop motion: Objective, mechanical warp stop motion, electrical warp stop motion. Warp Protecting motion: Objective, loose reed warp protecting motion, fast reed warp protecting motion, electromagnetic warp protecting motion, motion, motion, motion, motion, motion, motion, electromagnetic warp protecting motion of pattern cards, pick at will motion. Automatic looms: basic features, advantages over plain looms, classification of automatic looms, weft feeling mechanism, mechanical weft feeler, electronic weft feeler, optical weft feeler, pinr changing mechanism, shuttle changing mechanism, bobbin loader mechanism. Unit III Dobby Shedding: Main parts of dobby loom, types of Dobby, negative dobby, single, double lift single jack dobby, double lift double jack dobby, types of shed formed in dobby Jacquard Shedding: Principle parts of jacquard machine, types of jacquard, double lift single cylinder jacquard	t No.	Topic of the Lecture	Hours	Total Hours
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jacquard, double lift single cylinder jacquard, double lift double cylinder jacquard, harness building, harness ties, design ties, card cutting, card lacing	j	jacquard, types of shed formed in jacquard, single lift single cylinder	10	
Unit IV cylinder jacquard, harness building, harness ties, design ties, card cutting, card lacing				
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