

NWFP 103: NWFP BASED INDUSTRIES (06 credit)

SYLLABUS

NWFP Based industries: Micro, small, medium enterprises; Pulp and Paper Industry: history of paper making; raw material, process of paper making, pulping, bleaching etc.; types of papers; Manufacture of cellulose derived products; Cutch and Kattha industry; Bamboo based products and small scale industries; other small scale industries based on NWFPs: Pencil/ Agarbatti/ Sports good/ Spices

UNIT SCHEDULE

Unit 1.Pulp and paper Industry: Introduction and raw material

Unit 2.Process of paper making I: Pulping

Unit 3.Process of paper making II: Pulp bleaching, stock preparation and sheet formation

Unit 4.Types of paper

Unit 5.Manufacture of rayon and other cellulose derived products

Unit 6.Manufacture, properties and uses of composite wood, ply-board, fiber board, particle board and hard board.

Unit 7.Production of wood molasses, alcohols and yeast

Unit 8.Cutch and Katha industry I: introduction and raw material

Unit 9.Cutch and Katha industry II: Materials and extraction process

Unit 10.Cutch and Katha industry III: Uses of Cutch and Katha

Unit 11.Small scale industries I: Bamboos and Canes

Unit 12.Small scale industries II: Pencil/ Agarbatti/ Sports good/ Spice