

# AMID04 INTERIOR DESIGN MATERIALS AND APPLICATION-I

## UNIT-1 MASONRY

1.1 Mud, bricks, building tiles i.e roof, floor and wall tiles, stones, clay, lime, sand, mortars, cement and aggregates, concrete, gypsum based plaster etc.

## UNIT-2 TIMBER, CANE, BAMBOO

2.1 Characteristics of good timber, defects, applications of timber like joints, floors, openings, staircases, roof forms etc.

2.2 Finishes in timber like flooring, paneling etc. Finishes to timber.

## UNIT-3 WOOD

3.1 Plywood, block boards, particle board, medium density fibre etc.

3.2 Their properties, process of manufacture, tools and technology of its application and quality assessment, finishes to reconstituted wood, lamination, polishing etc.

3.3 Insulation materials- various insulating materials, their properties and applications.

3.4 Surface finishes for wood products and derivatives etc.,

3.5 Coatings – clear and pigmented finishes technical or protective coatings etc.

## UNIT-4 PAINTS

4.1 Protective coating paints, types of paints- water paints, distempers, cement based paints, emulsion paints, anti-corrosive paints etc.

4.2 Composition, functions, preparation and application method, painting on different surfaces, defects in painting etc.

4.3 Varnishes (oil and spirit)- various types

4.4 French polish, damp proofing finishes etc. And methods of application

## Reference Books:

1. Bindra, S.P. and Arora, S.P. Building Construction: Planning Techniques and Methods of Construction, 19th ed. Dhanpat Rai Pub., New Delhi, 2000.
2. Moxley, R. Mitchell's Elementary Building Construction, Technical Press Ltd. Rangwala, S.C.
3. Building Construction 22nd ed. Charota Pub. House Anand, 2004