

AR243 BUILDING MATERIAL – II (3-0-0)

Timber : Uses and characteristics of timber, cutting, seasoning, and preservation of timber.

Types of Timber and defects in timber. Protection from termites. Manufacturing process and uses of laminated timber.

Iron and Steel : cast iron, Steel and wrought iron with properties, brief idea of manufacturing process and use of iron work in buildings.

Paints and Varnishes : Composition, manufacture and properties and uses of ordinary paints, Varnishes and wood preservatives , method of distempering wall surfaces, and painting of timber and iron work.

Glass : Types of glass like plate, decorative, tinted , heat absorbing etc. structural glass bricks and glasscrete, fibre glass, wool etc.

Corrugated galvanized iron sheets and asbestos cement sheets with accessories and wood preservatives, methods of their fixing, clay tiles – Mangalore , Allahabad and Country type.

References:

- 1 S.C. Rangwala, Engineering Materials , Charotar publishing house, Anand, 1982
- 2.W.B. Mckay. Building construction. Vol-1,Vol-IV
- 3..S.C. Rangwala, Building Construction , Charotar publishing house, Anand.
4. R.Barry. The construction of Buildings. Vol –I, Vol –IV , The English Language book society ,Crosby Lockwood staples ,London.