

09ARC 7.2 – BUILDING CONSTRUCTION & MATERIALS – VII

Written by Administrator
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CONTACT PERIODS: 6 (1 LECTURE + 5 STUDIO) PER WEEK

VIVA MARKS : 100

PROGRESSIVE MARKS : 50

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Objective:

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To familiarize students with construction techniques in interior spaces and to provide an introduction to prefabrication

Outline:

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Construction – Detail of wardrobes, modular kitchens, cabinet shelves and show cases for residence, offices, book stores and commercial buildings, work stations. Internal finishes to wall and ceiling using plywood, PVC, marble, granite, cement, fibre board, plaster of Paris, particle board, wood wool, straw and any other materials introduced in the market. Partition systems, false ceiling systems. Introduction to prefabrication and post tensioning of building components.

Advantages and relevance in the Indian context.

Materials – Plywood, block board, particle board, hard board, laminates, MDF, HDF, HDPE wood wool, sound insulating materials, Bituminous products.

Note – Minimum one plate on each construction topic. Site visits to be arranged by studio teachers. Study of material applications in the form of portfolio. The entire portfolio on construction and materials shall be presented for viva exam.

References:

- 1) “Construction Technology” by Chudley

- 2) “Construction of Buildings” by Barry