

Mahatma Education Society's
PILLAI'S COLLEGE OF ARCHITECTURE
K.M. VASUDEVAN PILLAIS CAMPUS, Sector-16, New Panvel, Navi Mumbai

II YR B.ARCH - REPEATER EXAM - OCTOBER 2009

SUBJECT—BUILDING CONSTRUCTION

Dt-06/10/2009

TIME : 3 HRS

Section A

MARKS : 70

Q.1 Draw plan, elevation & section of 4 panelled door of size 10m x 2.1m with details. (30)

OR

Draw Dog-legged staircase in plan, elevation, section with fixing details

Q 2 Answer any **four** (40)

(a) Draw sectional elevation of King Post Truss

(b) Draw a plan of double joist timber flooring in Room size 5 m x 7.5m

(c) Draw detail of Sound proofing of timber floors.

(d) Draw section of cavity wall from foundation to parapet.

(e) Draw typical partition details

Section B

MARKS: 30

- All questions are compulsory
- Please illustrate wherever required

- Q1) Write short notes on any two (10)
- Different types of paint and characteristics of an ideal paint
 - Ingredients of paint with brief description
 - Various defects in timber
 - Marble and limestone as floor finishes
- Q2) Explain the process of seasoning of timber. (5)
Briefly describe any two methods of seasoning of timber.
- Q3) a) Explain and describe briefly the covering power of a paint (10)
b) Write a short note on Mangalore tiles, their properties
- Q4) Draw and label a section through an asbestos sheet roof, (5)
clearly showing the method of fixing the same