

Lesson Plan - Construction Practice and MS Project (S-24)

Total Contact Hours: 75 Hours

Weekly Practical Period: 5 Periods/Week

Duration: 15 Weeks

FACULTY – SWAPNASHISH PATEL and DHANRAJ ROHIDAS

Week	Hours	Topic / Practical Covered	Teaching-Learning Activity
1	5 Hrs	Study of construction tools required for masonry work; identification and uses of tools	Lecture, demonstration and tool handling
2	5 Hrs	Preparation and study of layout plan of a building	Drawing practice and explanation
3	5 Hrs	Construction of 1 and 1½ brick thick walls in English Bond using mud mortar including corner	Demonstration and practical work
4	5 Hrs	Construction of 1 and 1½ brick thick pillar in mud mortar	Practical construction activity
5	5 Hrs	Bar bending and fabrication of reinforcement for beam	Demonstration and hands-on practice
6	5 Hrs	Bar bending and fabrication of reinforcement for slab	Practical fabrication work
7	5 Hrs	Bar bending and fabrication of reinforcement for lintel with chajja and column	Practical work and supervision
8	5 Hrs	Non-destructive compressive strength test of concrete beam using rebound hammer as per IS 1311 (Part-2)-1992	Laboratory demonstration and testing

9	5 Hrs	Study of pipe joints and plumbing fixtures	Demonstration and identification of fixtures
10	5 Hrs	Field visit: Site visit and report preparation covering excavation, masonry, plumbing, painting, wood work, fabrication, concreting and flooring works	Field visit and report preparation
11	5 Hrs	Introduction to Microsoft Project: project management concept, features and scheduling for engineering projects	Computer demonstration
12	5 Hrs	Creating project plan: new project information, blank project and existing project creation	Software practice
13	5 Hrs	Basics of MS Project: project estimation, tasks and resources	Computer laboratory practice
14	5 Hrs	Tracking project progress and project reporting	Software exercises and report generation
15	5 Hrs	Custom views and fields in MS Project; revision and assessment	Practical evaluation and viva

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