THIRD YEAR - SIXTH SEMESTER

AC 607 BUILDING SERVICES –II (L=2,S=0,W=0) CREDITS=02

INTERNAL ASSESSMENT(T.WORK/ASSIGNMENTS,) = 50 CONACT HRS/WK = 02
UIVERSITY EXAMINATION (WRITTEN) = 50

A. ELECTRICAL SERVICES - SECTION – I

Focus: Building Electrical Services, Communication Systems and Air conditioning.

Content: Electrical Services - Power Connection, A.C. & D.C., conduits, distribution board and fuses, Wiring System (concealed & open) fixtures, design of layout and symbols for representation.
Communication systems (telephone, fax, EPABX etc.) and their layouts and connections.
Air conditioning and mechanical ventilation, Importance of Airconditioning,
Types of A/C., components of an A.C. system. , ducting, layout and design drawings.
ARSCUE treatment

Method: The basic information may be given as lectures, wire diagram, assignments to illustrate application.

REFERENCES:

SR.NO.	TITLE	AUTHOR
01.	Electrical Wiring, Estimating & Costing	S.L.Uppal
02.	Building Technology & Valuations	Tata Mc Graw Publication
03.	Operation & Maintenance of Electrical Equipment	B.V.S.Rao

B. MECHANICAL CIRCULATION - SECTION – II

Focus : Mechanical Circulation, automated system, artificial water bodies.

Contents: **Lifts:** General design, Classification & Installations of Lifts. NBC norms & guidelines, capsule lift Escalators Elevators
Moving pumps and walks.
Automated systems: Alarm systems, automatic lighting and A.C. systems, door closing / opening etc.
Man-Made water bodies: Swimming pools, garden pools, fountains

Method: Mainly lecture based, illustrations & case studies. Layout, installation in studio project is discussed.

REFERENCES:

SR.NO.	TITLE	AUTHOR
01.	Mechanical & Electrical Equipment for Building	William J. McGuiness & others
02.	National Building Code	BIS, New Delhi
03.	Time Saver Standards for Architecture type	