



DEMAND

PAVIATH INTEGRATED SOLUTION

CIVIL ENGG

CIVIL UNIV

ADVANCED STRUCTURAL DESIGN

Paviath ONLINE

◆ CIVIL UNIVERSITY ◆ FOURTH YEAR I SEMESTER ◆ CODE A70I35

UNIT-I
DESIGN AND DETAILING OF
CANTILEVER TYPE OF RETAINING
WALLS – STABILITY CHECK.
PRINCIPLES OF COUNTERFORT
RETAINING WALLS AND SHELF
TYPE RETAINING WALLS.

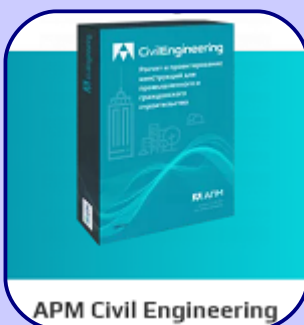
UNIT-II
DESIGN OF CIRCULAR AND
RECTANGULAR WATER TANKS AT
GROUND LEVEL AND ELEVATED
WITH STAGING.

UNIT-III
DESIGN OF FLAT SLABS- DESIGN
OF RAFT AND PILE FOUNDATIONS .

UNIT-IV
DESIGN OF CONCRETE BRIDGES
– IRC LOADING DESIGN OF STAB
BRIDGE, T-BEAM
GIRDER BRIDGE.
INTRODUCTION TO STEEL
BRIDGES.

UNIT-V
DESIGN OF RCC CHIMNEYS
BUNKERS & SILOS

TEXT BOOKS:
1. ADVANCED REINFORCED CONCRETE
STRUCTURES BY VARGHESE. PRANTIES HALL
OF INDIA PVT. LTD.
2. BRIDGE ENGINEERING BY S PONNUSWAMY MC
GRAW HILL CO.
3. REINFORCED CONCRETE DESIGN BY S.A. PILLAI
AND D. MENON, TATA MC.
GRAWHILL PUBLISHING COMPANY.
4. ADVANCED REINFORCED CONCRETE
STRUCTURES BY KRISHNA RAJU.
REFERENCES :
1. REINFORCED CONCRETE STRUCTURES VOL. 2 BY
B.C. PUNMIA, ASHOK KUMAR
JAIN AND ARUN KUMAR JAIN, LAXMI,
PUBLICATIONS PVT. LTD., NEW DELHI.
2. ESSENTIALS OF BRIDGE ENGINEERING BY D.
JOHN SON VICTOR, OXFORD AND
IBM PUBLICATION CO., PVT. LTD.



APM Civil Engineering

STC APM

SYLLABUS COACHING
TRAINING - 2/UNIT TRAINING
SELF - 4/UNIT ASSIGNMENT
PRESENTATION - 2/UNIT
SHOWTIME - 2/UNIT



ASCON RENG

SYLLABUS PERIOD
TRAINING - 2/2 HRS/UNIT
REMOTE - 2/2 HRS/UNIT
DURATION - SEMESTER
ONLINE/REMOTE ACCESS



ARCADIA BIM

FEATURES
TRAINING BY IND. PROFESSIONAL
INDUSTRY APPLICATION
TRAINER OPPORTUNITY
CERTIFICATION

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