

DEMAND

PAVIATH INTEGRATED SOLUTION

CIVIL ENGG

CIVIL POLY

ESTIMATING AND COSTING - II

Paviath ONLINE

◆ CIVIL POLY ◆ III YEAR V SEM ◆ CODE CEM54

- MENTION THE SPECIFICATIONS FOR VARIOUS MATERIALS AND FOR DIFFERENT ITEMS OF WORKS.
- WRITE TECHNICAL REPORTS ON THE PROPOSED PROJECTS.
- WRITE A REPORT ON WATER SUPPLY SYSTEM FOR A VILLAGE
- PREPARE DATA FOR VARIOUS ITEMS OF WORKS USING STANDARD DATA & SCHEDULE OF RATES.
- PREPARE THE STANDARD RENT AND FAIR RENT OF BUILDING
- EXPLAIN CLASSIFICATION OF PROPERTIES AND TYPES OF LEASES
- PREPARE DETAILED ESTIMATE OF QUANTITIES OF VARIOUS ITEMS OF
- PREPARE DETAILED ESTIMATE OF QUANTITIES OF VARIOUS ITEMS OF WORKS FOR BRIDGES AND ROAD WORKS USING TRADE SYSTEM.
- PREPARE DETAILED ESTIMATE OF QUANTITIES OF VARIOUS HEMS OF Works for water bound Macadam Road, single span Slab Culvert and tee beam bridge using trade system.
- CALCULATE THE VALUE OF A BUILDING / PROPERTY; TO FIX RENT FOR A BUILDING ADOPTING SUITABLE METHODS.

.I ANALYSIS OF RATES FOR SANITARY AND WATER SUPPLY WORKS EARTH WORK IN TRENCHES – TIMBERING OF TRENCHES –LAYING Stoneware / RCC / GI PIPES – LEAD JOINT FOR CAST IRON PIPES -OUTTING AND JOINTING 6.1 PIPES. PVD PIPES AND STOMEWARE PIPES - CONSTRUCTING A MAN HOLE IN THE SEWAGE LINE OF A RESIDENCE -PROVIDING A DISPERSION TRENCH FOR THE SEPTIC RESIDENCE - PROVIDING A DISPERSION RENDET FOR RESPECT TANK OF A RESPECTAL FLAT - SUPPLYING A FERRO CEMENT CIRCULAR RING FOR WELL SINKING - LAYING PUC PLUMBING LINES CONCEALED INTO BRICK MASONRY WALLS - SUPPLYING AND FIXING INDIAN TYPE WATER CLOSETS WITH FLUSHING TANKSP MISCELLANFOLIS ITEMS

RANDOM RUBBLE STONE MASONRY IN ABUTMENTS AND PIERS PROVIDING FORMWORK FOR DECK SLABS - R.C.C FOR COLUMNS / Beams / Deck Slab -parapets - hand rails - earth filling in EMBANKMENTS -SOLING FOR A WB MRDAD - LAYING WBM RDAD OVER THE EXISTING SOLING - SURFACE DRESSING - SURFACE BLINDING - PROVIDING PREMIX CARPET - LAYING CONCRETE ROADS - APRON AND REVETMENT WORKS IN CANALS - WODDEN FRAMES For Doors - Paneled Doors - Glazed Windows - Steel Grill GATES - STEEL GRILLS FOR WINDOWS - SUPPLYING AND FIXING ALUMINUM PARTITIONS - PROVIDING WOODEN SHUTTERS TO LOFTS: EXPANSION JOINT IN R.C ROOF (EXPOSURE TO USE

LI SPECIFICATION WRITING
SPECIFICATION - NECESSITY - IMPORTANCE OF SPECIFICATIONS TYPES OF SPECIFICATIONS - GENERAL SPECIFICATION, DETAILED THES OF SPECIFICATIONS - DEMENT SPECIFICATION , DETAILED SPECIFICATION AND STANDARD SPECIFICATION : ESSENTIAL REQUIREMENTS OF SPECIFICATIONS - GENERAL AND TECHNICAL PROVISIONS OF DETAILED SPECIFICATIONS -SPECIFICATIONS FOR VARIOUS MATERIALS LIKE CEMENT, SAND, BRICK, TIMBER, STONE VARIOUS MATERIALS LIKE EVENNI, SAID, BRILDK, IMBER, STUNE AGBREGATE REINFORCEMENT STEEL, TILES, BITUMEN, WATER ETG-BENERAL SPECIFICATION FOR A BUILDING – GENERAL SPECIFICATION FOR A CULVERT – GENERAL SPECIFICATION FOR A CONCRETE / TAR ROAD PROJECT – EXAMPLES – DETAILED SPECIFICATION FOR WORKS SUCH AS EARTH WORK EXCAVATION, FOUNDATION CONCRETE, STONE / BRICK MASONRY, DODRS / WINDOWS, RCC IN COLUMNS / BEAMS / SLABS, PLASTERING, FLODING, PAINTING AVAILABILISHING DOPE, AC SUCKE ORDING, BANKINGE, PAINTING AVAILABILISHING DOPE, AC SUCKE ORDING ADMINISTER DIOLS CULLIMAS 7 BEAMS / SUBS. PUSSTERING , FLOORING , PARIMING VARNISHING , OPC , A C SHEET CODEING, RAINWATER PIPES , CENTERING FOR ROOFING , WESTERING COURSE , LUNGER REAMED PILES , WATER BOUND MACADAM / TAR ROADS , SURFACE DRESSING WITH BITUMEN , REVERMENTS . EUT. EXAMPLES - STEPS INVOLVED IN WITH BITOMEN. REVEMBENS, EIG-EXAMPLES-SIEPS INVOLVED I WRITING STANDARD SPECIFICATION – ADVANTAGES OF STANDARD SPECIFICATIONS – WRITING STANDARD SPECIFICATIONS WITH REFERENCE TO TAMIL NADU BUILDING PRACTICE / INDIAN STANDAROS/ NBC- EXAMPLES – TENDER – TIT ACT – E TENDER – PREPARATION OF TENDER NOTICE AND DOCUMENT

4.1 TAKING OFF QUANTITIES OF P.H. ENGINEERING STRUCTURES

USING IRADE STSTEM
PREPARING DELIBED ESTIMATE USING TRADE SYSTEM AND TAKE OFF
COUNTITIES FOR ALL ITEMS OF WORKS IN THE FOLLOWING P.H.
ENGINEERING STRUCTURES:
I SEPTIC TANKS WITH DISPERSION TRENCH / SOAK PIT

2 OPEN WELL WITH MASONRY STEINING 4 Square RCC Over Head Tank on Four Columns with Stagings

4 SUDIAKE RLG, DIVER HEAD JANK ON FUDIC DULLIMING WITH STABINGS ST TAKING DEF DUANTITIES OF ROAD JERIOGE STRUCTURES USING TRADE SYSTEM AND IRRIGATION WORKS PREPARING DETAILED ESTIMATE USING TRADE SYSTEM AND TAKE OFF DUANTITIES FOR ALL ITEMS OF WORKS IN THE FOLLOWING ROAD VIGINICS TOTAL TITLED THE STATE OF THE STATE

- I WATER BOUND MACADAM ROAD 2 CEMENT

- 2 CONCRETE ROAD WITH SIDE DRAINS
 4 SINGLE SPAN SLAB CLUVERT
 5 TEE BEAM BRIDGE ESTIMATION OF IRRIGATION WORKS ADJEDUCT,
 SYPHON, FALL ESTIMATE OF RETAINING WALLS CULIVERTS.

VALUE - DIFFERENCE BETWEEN COST AND VALUE - PURPOSE OF VALUATION - DEFINITION OF TERMS :CAPITAL COST, GROSS IN COME and net income , outgoings , capitalized value and capital VALUE , SCRAP VALUE , SALVAGE VALUE , DOSDILESCENCE, SINKING Fund , Deprediation , Years Purchase , Book Value , Market Value , Ratable Value , Deferred Value of Land , Lease , VALUE , RARIBOLE VALUE , DEFERRED VALUE OF DAVI , LEASE MORTISABE , ANNUITY , ANDRIZATION — FACTIORS AFFECTING THE VALUE OF A PROPERTY — CLASSIFICATION OF PROPERTIES — TYPES OF LEASES —PROBLEMS ON DETERMINATION OF SINKING FUND-PROBLEMS ON CALCULATION OF DEPRECIATION — METHODS OF VALUATION OF BUILDINGS - VALUATION BASED ON COMPARISON
/RENT / PROFIT / PRESENT VALUE - METHODS OF VALUATION OF
LANDS - MATHEMATICS OF VALUATION - VALUATION TABLES -PROBLEMS ON VALUATION OF BUILDINGS / PROPERTIES 2.2 RENT CALCULATION

FIXATION OF RENT - DEFINITION OF TERMS : STANDARD RENT, FAIR RENT OR REASONABLE RENT , ECONOMICAL RENT, MARKET RENT , RENT CERTIFICATE - RENT CONTROL - FACTORS INFLUENCING THE RENT OF A BUILDING - PROBLEMS ON RENT CALCULATION - FIXING RENT OF A PRIVATE BUILDING USED BY GOVERNMENT - FIXING RENT of a government building used by its employees -fixing rent of a government building rented to private parties

1.RANGAWALA, — ESTIMATING & COSTING

CHAROTOR PUBLISHING; 2.N.A.SHAW, — QUANTITY SURVEYING & VALUATION . KHANNA PUBLISHERS 3.L.N.DUTTA . — ESTIMATING & COSTING DHANPAT RAI &SONS

REFERENCE BOOK

1.BRIDIE , — ESTIMATING & COSTING

2.INDIAN STANDARD CODE OFPRACTICE,IS:1200. 3.CIVIL ESTIMATING, CASTING AND VALUATION -

KALSON PUBLICATION LUDHIUYANA. 4.VAZIRANI & CHANDOLU, ESTIMATING AND

COSTING|| 2001



STC APM

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

MATHS ILLUSTRATION - GEOMETRY EXPRESSIONS



ASCON RENGA

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

EXPRESSIONS — ANALYTIX CAMS



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