

Dicipline:	Civil	Semester: 5th	Name of the Teaching Faculty: Umakant Purohit	
Subject: Estimate & Cost Evaluation II	No of Days/Week Class Allotted: 04	Semester From date: 15/09/22 To date 17/11/22		No. of Weeks:
WEEK	Class Day	Theory Topics		
	1st	Introduction		
	2nd	What is culvert? Difference between Culvert & Bridge.		
	3rd			
	4th	Detailed estimate of a Rcc slab culvert with right angle wing walls with bare bendi ^{Schedule} _{final out part of culvert}		
	5th	Prepare a detailed estimate for right angle wing walls → Earthwork excavation		
	1st	Prepare a detailed estimate for right angle wing wall — cement concrete.		
	2nd	Prepare a detailed estimate for right angle wing wall — 1st class brickwork structure 1:4 _{cement mortar}		
	3rd			
	4th	Prepare a detailed estimate for right angle wing wall — 1st class brickwork structure 1:4 _{cement mortar}		
	5th	Prepare a detailed estimate for right angle wing wall — Rcc work.		
	1st	Prepare a detailed estimate for right angle wing wall — cement pointing work		
	2nd	Detailed estimate of a Rcc stone pipe culvert with splaced angle wing wall → _{find out 1st part of work}		
	3rd			
	4th	Prepare a detailed estimate for splaced angle wing wall: — earthwork excavation		
	5th	Prepare a detailed estimate for splaced angle wing wall: — cement concrete 1:6 work		

WEEK	Class Day	Theory Topics
	1st	Prepare a detailed estimate to splashed angle wing wall:- 1st class brick work structure ^{1:4 mortar}
	2nd	Prepare a detailed estimate for splashed angle wing wall:- 1st class brick work structure ^{1:4 mortar}
	3rd	
	4th	Prepare a detailed estimate for splashed angle wing wall - R.C.C work
	5th	Prepare a detailed estimate for splashed angle wing wall → cement pointing work.
	1st	Prepare a detailed estimate for splashed angle wing wall - cement pointing work
	2nd	estimate of cement content - Revisions: Earthwork excavation, R.C.C work
	3rd	
	4th	Estimate of Irrigation Structures:- Fall → Definition of fall, part of fall.
	5th	Prepare a detailed estimate for fall earthwork excavation in crest wall, floor wall, wing wall, counter wall
	1st	Prepare a detailed estimate for fall - earth work in excavation
	2nd	Prepare a detailed estimate for fall - earth work in excavation.
	3rd	Prepare a detailed estimate for fall cement concrete work
	4th	Prepare a detailed estimate for fall - cement concrete work
	5th	

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Subject: <u>Estimates & Cost Evaluation 27</u>	No of Days/Week Class Allotted: <u>04</u>	Semester From date: _____ To date _____	No. of Weeks:

WEEK	Class Day	Theory Topics
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	1st	Prepare a detailed estimate for fall - 1st class brickwork structure 1:4 cement mortar.
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	2nd	Prepare a detailed estimate for fall - 1st class brickwork structure 1:4 cement mortar.
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	3rd	Prepare a detailed estimate for fall - 1st class brickwork structure 1:4 cement mortar.
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	4th	Prepare a detailed estimate for fall - Rcc work
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	5th	
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	1st	Prepare a detailed estimate for fall - Rcc work
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	2nd	Prepare a detailed estimate for fall - Rcc work
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	3rd	Prepare a detailed estimate for fall - cement pointing work.
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	4th	Prepare a detailed estimate for fall → cement pointing work.
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	5th	
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	1st	Detailed estimate of drainage syphon to given specification → Definition syphon
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	2nd	Prepare a detailed estimate for syphon earthwork excavation.
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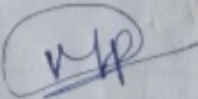
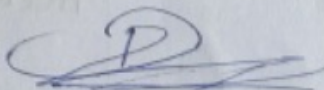
	3rd	Prepare a detailed estimate for syphon cement concrete 1:2:4
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	4th	Prepare a detailed estimate for syphon - 1st class brickwork structure 1:4 cement mortar.
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	5th	
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WEEK	Class Day	Theory Topics
	1st	Prepare a detailed estimate for Syphon 1st class Brickwork structure 1:4 cement mortar
	2nd	Prepare a detailed estimate for Syphon - Rcc work structure.
	3rd	
	4th	Prepare a detailed estimate for Syphon - cement pointing.
	5th	Detail estimate of a water bound macadam road - Introduction
	1st	Numerical Problem -1 - WBM road (water bound macadam)
	2nd	Problem -2 = WBM road.
	3rd	
	4th	Problem -3 WBM road.
	5th	Detailed estimate of a flexible pavement in cutting/filling - Trapezoidal one
	1st	Derivation formula for Banking earth excavation & filling earth excavation.
	2nd	Types of method for road estimation - mid sectional method.
	3rd	
	4th	mean sectional method
	5th	Prismoidal method

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WEEK	Class Day	Theory Topics		
	1st	Problem - 1 → Method - 1, 2, 3 (Triel, Mean Prismatical Method)		
	2nd	Problem - 2 → method 1, 2, 3		
	3rd			
	4th	Problem - 4 - prepare detailed estimate of road in cutting / filling (upward & down ward gradient)		
	5th	Problem - 5 Prepare a detailed estimate of road in cutting / filling (upward gradient)		
	1st	Problem - 6 prepare a detailed estimate of road in cutting / filling (down ward gradient)		
	2nd	Detailed estimate of septic tank and soak pit for 50 users.		
	3rd			
	4th	Detailed estimate of septic tank and soak pit for 50 users.		
	5th	Detailed estimate of septic tank and soak pit for 50 users.		
	1st	works - Original work, repair work, major work, petty work, annual repair, special repair		
	2nd	Accounts of work.		
	3rd			
	4th	Administrative approval, technical Section, tender, inviting tenders, preparation for notice quotations, lowest money, e-tendering		
	5th	security deposit advance payment		

WEEK	Class Day	Theory Topics
	1st	Final payment, running bill, final bill
	2nd	regular temporary establishment, cash account, temporary advance, supervisory changes, credit, debit, books transfer, vouchers
	3rd	
	4th	measurement Book use & maintenance
	5th	master roll - its preparation & use for making payment of pay & wages
	1st	Aquitance Roll → its preparation & uses, Necessity.
	2nd	labour & labour report, method of labour payment, necessity
	3rd	
	4th	classification stores, receipt, method of preparation of stock account
	5th	
	1st	
	2nd	
	3rd	 
	4th	
	5th	