

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan		
Discipline: Civil Engineering	Semester: 5th	Name of the Teaching Faculty: Mrs. Arpita Samal
Subject: EST-II	No of Days/per week class allotted: 4	Semester from Date: 14.07.2025 to Date: 15.11.2025 No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Detailed estimate of culverts and bridges -Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.
	2nd	Numerical practice
	3rd	
	4th	
2nd	1st	MONTHLY TEST-I
	2nd	
	3rd	RCC Hume pipe culvert with splayed angled wing wall
	4th	Numerical practice
3rd	1st	
	2nd	
	3rd	
	4th	Estimate of irrigation structures
4th	1st	Detailed estimate of simple type of vertical fall to given specification
	2nd	
	3rd	
	4th	INTERNAL ASSESSMENT-I

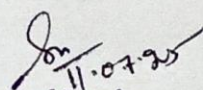
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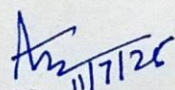
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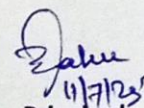
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Principal

ESTD - 2017

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1st	1st	PWD Accounts works
	2nd	Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair.
	3rd	Concept of Method of execution of works through the contractors and department, contract and agreement, work order, types of contracts, piece work agreement
	4th	Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money, E-tendering, security deposit, advance payment, intermediate payment
2nd	1st	Final payment, running bill, final bill, regular and temporary establishment, cash, major & subhead of account, temporary advance (imprest money), supervision charges, suspense account, debit, credit, book transfer, voucher and related accounts.
	2nd	Measurement book use & maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed, standard measurement books and common irregularity
	3rd	Muster roll: Its preparation & use for making payment of pay & wages
	4th	Acquittance Roll : Its preparation & use for making payment of pay & wages
3rd	1st	Labour & labour report, method of labour payment, use of forms and necessity of Submission
	2nd	Classification of stores, receipt / issue statement on standard form, method of preparation of stock account, preparation and submission of returns, verification of stocks, shortage and excess.
	3rd	
	4th	Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RERA etc.
4th	1st	
	2nd	DCC
	3rd	INTERNAL ASSESSMENT-II
	4th	


 Sign of Faculty


 HOD


 Principal

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