

DHABALESWAR INSTITUTE OF POLYTECHNIC

LESSON PLAN

Discipline CIVIL	Semester 5th	Name of the Teaching Faculty DIBYADARSINI SAHOO
Subject ESTIMATION - II	No. of days per Week Class Alloted	Semester from Dt. <u>11/10/21</u> To Dt. <u>08/01/22</u> No. of Weeks: <u>14</u>
Week	Class Day	Theory / Practical Topics
1 st	1 st	1. <u>Detailed Estimate Of Culverts And Bridges:</u> 1.1 Detailed estimate of a RCC slab culvert with right angled wing wall with bar bending schedule.
	2 nd	1.2 RCC Hume pipe culvert with splayed angled wing wall.
	3 rd	2. <u>Estimate Of Irrigation Structures:</u>
2 nd	DASIAHARIA HOLIDAY	2.1 Detailed estimate of simple type of vertical fall to given specification.
3 rd	1 st	2.2 Detailed estimate of drainage siphon to given specification.
	2 nd	
	3 rd	3. <u>Detailed Estimate Of Roads:</u>
	4 th	3.1 Detail estimate of a water bound macadam road.
4 th	1 st	3.2 Detailed estimate of a flexible pavement in cutting/filling
	2 nd	3.3 Detailed estimate of septic tank and soak pit for 50 users
	3 rd	4. <u>Miscellaneous Estimates:</u>
	4 th	4.1 Tube well, Piles and Pile cap, Isolated and combined footings.
	5 th	4.2 Class Test and Revision

LESSON PROGRESS

Date	Topic to be covered as per Lesson plan	Topic actually covered	Point / Contents Discussed (in brief)	Sign. of Teacher
04.10.21	Detailed estimate of a RCC slab culvert	All covered	Estimate of a RCC slab	
05.10.21	RCC Hume Pipe	All covered	RCC Hume Pipe	
09.10.21	RCC Hume Pipe Question Answer Discussion	RCC Hume Pipe Question Answer Discussion	RCC Hume Pipe Question Answer Discussion	
21.10.21	Detailed estimate of simple type of vertical fall	All covered	Simple type of vertical fall	
22.10.21	Detailed estimate of drainage siphon	All covered	Drainage siphon	
23.10.21	Question Answer Discussion	Question Answer Discussion	Question Answer Discussion	
25.10.21	Detail estimate of a water bound macadam road	All covered	Estimate of a water bound macadam road	
27.10.21	Detail estimate of a flexible pavement	All covered	Flexible pavement In cutting/filling	
28.10.21	Detailed estimate of septic tank and soak pit	All covered	Septic tank and soak pit	
29.10.21	Class test	Class test	Class test	
30.10.21	Tube well, piles and pile cap, Isolated and Combined footings	All covered	Tube well, piles and pile cap, Isolated and combined footings	
31.10.21	Class test	Class test	Class test	

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5th	1st	<u>5. PWD Accounts Works:</u>
	2nd	5.1 Works
	3rd	5.1.1 Classification of work-original, major, petty, repair work, annual repair, special repair, quadrantal repair.
	4th	5.1.2 Concept of method of execution of works through the contractors and department, contract and agreement, work order, types of contract, piece work agreement.
6th	1st	5.2 Accounts of Works
	2nd	5.2.1 Explanation of various terms Administrative approval, technical sanction, tender, preparation of notice inviting tender, quotations, earnest money, E-tendering, security deposit, advance payment, intermediate payment, final payment, running bill, final bill, regular and temporary establishment, cash, major and subhead
	3rd	
	4th	
7th	1st	
	2nd	
	3rd	

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Date	Topic to be covered as per Lesson plan	Topic actually covered	Point / Contents Discussed (in brief)	Sign. of Teacher
02.11.21	Revision and doubt clearing PWD Works	Revision and doubt clearing All covered	Revision and doubt clearing PWD Works	
03.11.21	Classification of	All covered	Special repair quadrantal repair	
05.11.21	Special repair quadrantal repair.			
06.11.21	Doubt clearing Concept of method	Doubt clearing All Covered	Doubt clearing Execution of	
08.11.21	of execution of		works through	
09.11.21	works through the contractors and department	All covered	the contractors and department, contract and agreement, work order	
10.11.21	Types of contract	All covered	Types of contract	
11.11.21	PWD accounts of works	All covered	PWD accounts of works	
15.11.21	Explanation of various terms Administrative approval technical sanction, tender, preparation of notice inviting tender etc...	All covered	Administrative approval technical sanction, tender, earnest money etc.	
8.11.21	Regular and temporary establish- ment.	All covered	Tender, Preparation of notice inviting tender.	
10.11.21	Establishment.		Establishment	
12.11.21	Header and subhead of account	All covered	Header and subhead of account.	

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	4th 4th	of account, temporary advance (Imprest money), supervision charges, suspense account, debit, credit, book transfer, voucher and related accounts.
8th	1st	5.2.2 Measurement book use and maintenance, procedure of marking entries of measurement of work and supply of materials, labour employed, standard measurement books and common irregularity.
	2nd	
	3rd	5.2.3 Muster roll: Its preparation and use for making payment of pay and wages
	4th	5.2.4 Acquittance Roll: Its preparation and use for making payment of pay and wages
9th	1st	
	2nd	5.2.5 Labour and report, method of labour payment, use of forms and necessity of Submission
	3rd	
10th	1st	class test

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Date	Topic to be covered as per Lesson plan	Topic actually covered	Point / Contents Discussed (in brief)	Sign. of Teacher
23.11.21	Suspension charges, suspense account, debit	All covered	Suspense account debit	
29.11.21	Measurement book use and maintenance, procedure of marking entries of measurement of work	All covered All covered	Measurement book use and maintenance	
02.12.21	Standard measurement book and common irregularity	All covered	Standard measurement book and common irregularity	
06.12.21	Define Muster roll	All covered	Muster Roll	
10.12.21	Define Acquittance roll	All covered	Acquittance Roll	
14.12.21	Revision and doubt clearing	Revision and doubt clearing	Revision and doubt clearing	
15.12.21	Labour and report, method of labour payment	All covered	Labour and report, method of labour payment	
17.12.21	Use of forms	All covered	Use of forms	
20.12.21	Class test	class test	class test	

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11 th	2 nd 1 st	5.26 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
12 th	2 nd 1 st 2 nd	5.3 Building BYLAWS and REGULATORY Bodies, Development authorities, types and their levels, RIERIA etc.
13 th	1 st 2 nd	5.4 Class test 5.5 Revision and doubt clearing

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Date	Topic to be covered as per Lesson plan	Topic actually covered	Point / Contents Discussed (in brief)	Sign. of Teacher
24.12 21	Classification of Stories, receipt/ Issue Statement on Standard form method of preparation of stock account etc.	All covered	Classification of Stories, Preparation and submission of returns etc.	
29.12. 21		All covered		
31.12 21		All covered		
03.01 22	Doubt clearing Building BYLAWS and REGULATORY Bodies.	Doubt clearing All covered	Doubt clearing Building BYLAWS and REGULATORY Bodies	
04.01 22				
06.01 22	IRERA	All covered	IRERA	
07.01 22	Class test	Class test	Class test.	
08.01 22	Revision and doubt clearing	Revision and doubt clearing	Revision and doubt clearing	