



RECRUITMENT NOTICE FOR GL AND PTI (2025-26 EVEN SEM) – DBRAIT

Selected candidates shall be eligible for an amount of Rs. 1000/- per hr for theory and Rs. 750/- per hr for practical classes not exceeding Rs. 25,000/- per month for the Guest Lecturer (GL) (Diploma Programs). For the Part Time Instructors (PTI), Rs.750/- per day for the practical classes not exceeding Rs. 18,000/- per month. Selection will be based on the performance of the candidates in the theory demo and practical skill test.

The candidates shall report to concerned department/Academic Cell 30 mins prior to the schedule time as mentioned below:

S. No.	Details of requirement	Educational Qualification	Date and Time	
			Practical	Theory
1	Guest Lecturer (Civil)	First Class B.E./B. Tech from recognized University in relevant course.	11.12.2025 09:00 am to 12:00 noon	12.12.2025 02:30 pm to 04:00 pm
2	Guest Lecturer (Electrical)			
3	Part Time Instructors (CO/IT)	Bachelor's degree in relevant field from a recognized University OR Diploma in relevant field from recognized University / Board	11.12.2025 09:00 am to 12:00 noon	-----

Dean (Academic)

DR. B R AMBEDKAR INSTITUTE OF TECHNOLOGY, SRI VIJAYA PURAM

DEMO TOPICS FOR GUEST FACULTY (GL) & PTI SELECTION PROCESS FOR THE SESSION 2025-26 (EVEN SEM)

S. No.	DEPARTMENT	DEMO TOPIC	
		THEORY	PRCATICAL
1	Diploma Civil (GL)	Area Calculations of field by cross staff	Basic Surveying: Chain surveying, Compass surveying and Leveling
		Compass Traversing: open and closed.	Water and waste water engineering: Physical and chemical parameters
		Local attraction, Methods of correction of observed bearings- Correction at station and correction to included angles	Construction Material testing and concrete Laboratory: Test for cement, fine aggregates ,coarse aggregates , concrete and steel
		Various types of Pressure	
		Pressure measuring devices	
		Types of Fluid Flow	
		Estimating, Types and purpose, costing, Administrative Approval, Technical Sanction and Budget provision.	
		Preparing rate analysis of different items of work: PCC, RCC work in (column, beam, lintel, slab), brick masonry, stone masonry, Vitrified tile flooring, plastering.	
		Methods of Calculation of Depreciation	
		Water Softening Methods	
		Pipe Network System	
		Sewer Appurtenance	
2	Diploma EE (GL)	Mesh/ Nodal Analysis	Verification of Kirchoff's laws
		RLC series circuit & circuit resonance	Measurement of power in single phase AC circuit
		Measurement of single phase power using dynamometer wattmeter	Measurement of three phase power by two wattmeter method
		Construction and working principle of transformer	Load test on single phas etransformer
		Parallel operation of transformer	Open circuit and short circuit test of single phase transformer
		Voltage regulation of alternator	Load test on three phase induction motor
		Construction and working of Buchholz Relay	Staircase wiring
		Different types of line insulators in transmission & distribution system	Go down wiring
		Different types of single phase induction motors	Straight joint and T-joint
		Over current and earth fault protection of alternators	Starting and running of single phase induction motro in formward & reverse direction
3	CO/IT (PTI)		Network Cabling
			Setup wifi
			Assemble & dissemble of various parts of computer system
			OS installation
			C Program on pointer, structure & file management
			C Programming using Array
			C Programming using Structures
			C Programming using Pointer
			Mail Merge
			Preperation of results sheet in excel