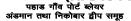अंडमान तथा निकोबार प्रशासन
ANDAMAN & NICOBAR ADMINISTRATION
डॉ. भीमराव अंबेडकर प्रौद्योगिकी संस्थान
Dr. B.R. AMBEDKAR INSTITUTE OF TECHNOLOGY
(NAAC ACCREDITED)
पहाड़ गाँव पोर्ट ब्लेयर   **PAHARGAON, PORT BLAIR- 744103**
अंडमान तथा निकोबार द्वीप समूह   **ANDAMAN & NICOBAR ISLANDS**

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Recruitment Notice for Guest Lecturers in DBRAIT

Selected candidates shall be eligible for an amount of Rs.1000/- per hr for theory and Rs.500/- per hr for practical classes not exceeding Rs.25,000/- per month for Guest Lecturer (Diploma Program) as per the A & N Administration Order No. 1993 dated 11th July 2023 . Selection will be based on the performance of the candidates in the Demo theory and practical class. The venue for theory demo will be LANGUAGE LAB of the Institute.

S. No.	Details of requirement	Educational Qualification	Date and time	
			Practical	**Theory**
1	Guest Lecturer (Mathematics)	First class Master's Degree in appropriate subject with first class or equivalent at Bachelor's or Master's level	----	26.07.2023 1:30 pm to 2:00 pm
2	Guest Lecturer (Physics)		26.07.2023 9:30 am to 11:30 am	26.07.2023 2:00 pm to 2:30 pm
3	Guest Lecturer (English)		----	27.07.2023 2:30 pm to 3:00 pm
4	Guest Lecturer (Accounts)		----	27.07.2023 3:00 pm to 3:30 pm

--Sd --

Dean (Academics)

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DR. B R AMBEDKAR INSTITUTE OF TECHNOLOGY, PORT BLAIR

DEMO TOPICS FOR GUEST FACULTY SELECTION PROCESS FOR THE SESSION 2023-24 (ODD SEM)

S.NO.	DEPARTMENT	DEMO TOPIC	
		THEORY	PRACTICAL
1	MATHS (GL)	Differentiation of implicit function	
		Lagrange method of undetermined multipliers	
		Area by double integration and volume by triple integration	
		First order linear differential equations	
		Partial fraction of proper and improper fraction	
		Reduction of quadratic form into conical by orthogonal transformation	
		Expansion of periodic function into Fourier Series	
		Solution of linear simultaneous in the three variables by crammers rule	
		Point of intersection of two lines, equation of line passing through point of intersectin with given condition	
		Fourier's Transformation and its transverse	
2	PHYSICS (GL)	Ultrasounic Wave Proiduction	To study the coefficient of thermal conductivity of bad conductor by using Lee's disc method
		Laser and fiber optics	Determination of thickness of given piece of sample of airwedge method
		Air wedge-Michelson's interferometer	Determination of wavelength of monochromatic light by using fiffraction grating
		Concept of double refraction	Determination of elasticity of a metallic wire by using searle's apparatus
		Nanomaterials - its synthesis, properties and application	determination of law resistance by using meter bridge/determination of velocity of sound by resonance column
		Non destructive testing of materials	to determine the radius of curvature of a planoconvex lens using newton's ring apparatus
		Nuclear Reactor	to determine the refractive index of glass prism by using Pin method
		Application of hall effect in the semiconductor	to determine the buoyancy force on solid immersed in liduid (Archemedies principle)
		Super conductors and it application	to determine the internal resistance of primary cell by using potentiometer
		Magnetic field and magnetic field intensity	to calculate the magnetic moment & pole strength of a bar magnet by using vibration magnetometer

3	ENGLISH (L)	Strategies of effective communication	
		Importance of public speaking	
		passahge in written & spoken form	
		comprehensive of technical & non technical materials	
		active & passive voice	
		importance of comprehension	
		Phonetics	
		Use of modren office equipments & gadgets	
		types of communication	
		use of articles in formulating sentences	
4	ACCOUNTS (GL)	Cash book	
		types of capital	
		Ledger	
		need for hotel accountancy system	
		generation of night audit report	
		Depriciation- meaning, causes, fixed installment & diminishing balance method	
		preparation of final accounts	
		Book of original entry- journals	
		Principles of double entry systems in accountancy & its advantages	
		Direct & indirect taxes	