Recruitment Notice for Guest Lecturer

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). The venue for theory demo will be Audio Visual Room (AV Room) of the Institute and practical skill test will be conducted by the concerned departments.

1. FOR DBRAIT, PORT BLAIR:

S. No	Details of requirement	Educational Qualification	Date and time		Venue
			Practical	Theory	
1	Guest Lecturer (Physics)	First class Master's Degree in appropriate subject with first class or equivalent at Bachelor's or Master's level	09.09.2024 9:00 am to 12:00 noon	09.09.2024 02:00 pm to 03:00 pm	DBRAIT, Port Blair

S.NO.	DEPT	DEMO TOPIC	
		THEORY	PRACTICAL
1	Physics (GL)	1. Ultrasonic Wave Production 2. Lasers and fibre optics 3. Air wedge- Michelsion's interferometer 4. concept of double refraction 5. Nanomaterials- its synthesis, Properties and Application 6. Non destructive testing of materials 7. Nuclear Reactor 8. Application of Hall effect in the semiconductor 9. Super conductors and its application 10. Magnetic field and magnetic field Intensity	1. To study the coefficient of thermal conductivity of bad conductor by using Lee's disc method/ 2. Determination of thickness of given piece of sample by airwedge method 3. Determination of wavelength of monochromatic light by using diffraction grating 4. Determination of elasticity of a metallic wire by using searle's apparatus 5. Determination of law resistance by using meter bridge\determination of velocity of sound by resonance column 6. To determine the radius of curvature of a planoconvex lens using newton's ring apparatus 7. To determine the refractive index of glass prism by using Pin method 8. To determine the buoyancy force on solid immersed in liquid(Archemedies principle) 9. To determine the internal resistance of primary cell by using potentiometer 10. To calculate the magnetic moment and polestrenth of a bar magnet by using vibration magnetometer.

27/2/24

Dean (Academics)