Recruitment Notice for Guest AP, Guest Lecturers, PTI

Selected candidates shall be eligible Rs.250/- per hr for theory and Rs.125/- per hr for practical classes not exceeding Rs.10,000/- per month for Guest Lecturer (Diploma Program). **The candidates shall report half an hour before the scheduled time to the concerned department/Academic Cell for the selection test.**

S. No.	Details of requirement	Educational Qualification	Date and time	
			Practical	Theory
1	Guest Lecturer (Management)	First class Master's Degree in appropriate subject with first class or equivalent at Bachelor's or Master's level	06.02.2023 9:30 am to 12:30 pm	07.02.2023 1:30 am to 2:00 pm
2	Guest Lecturer (CO/IT)	First class B.E./B.Tech., from recognized university in relevant course	06.02.2023 9:30 am to 12:30 pm	07.02.2023 2:00 am to 2:30 pm
3	Guest Lecturer (Civil)		06.02.2023 9:30 am to 12:30 pm	07.02.2023 2:30 am to 3:00 pm
4	Guest Lecturer (ME)		06.02.2023 9:30 am to 12:30 pm	07.02.2023 3:00 am to 3:30 pm

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

ISO 9001 BUREAU VERITAS Certification

DEMO TOPICS FOR GUEST LECTURER DBRAIT 2022-2023 (EVEN SEMESTER)

DEPARTMENT	THEORY	PRACTICAL
GL (Management)	1. Preparation of balance sheet & profit-loss statement. 2. Functions of management 3. Capital generation & management 4. Budgets & its types 5. Total quality management 6. Straight line method 7. Of depreciation 8. Scope of engineering economics 9. Evaluation of public alternatives 10. Determination of economics life of asset.	
GL (Civil)	1. Physical and index properties of soil. 2. Permeability and shear strength of soil. 3. Loads and stresses. 4. Test on cement and aggregate. 5. Concrete mix design and testing of concrete.	1. Physical and index properties of soil. 2. Test on cement and aggregate. 3. Prismatic compass and levelling. 4. Theodolite survey. 5. Plane table survey.
GL (CO/IT)	1. Concept of AI, scope, component, types of AI, applications of AI, concept of machine learning & deep learning. 2. Exception handling in Java, multithreading in Java, Java applets 3. Requirement engineering, software requirement specification 4. Error correction and detection, reference model 5. Transactions and concurrency control in DBMS, joins, types of join, cursor & triggers in Plsql 6. Host-to-host layer protocol, internet layer protocol, transport layer protocol, application layer protocol 7. Structure & pointer 8. User interface components and layout and layout types.	1. Design webpage using form controls and add data validation 2. Develop applications to enter data into database and retrieve data from database. 3. Exception handling in Java, Java applets 4. Cabling, share files, folders, printer in a network 5. Assemble & disassemble of computer system 6. Designing of website 7. Cursor and triggers in Plsql 8. Structure, Pointer, file handling 9. Fetch data from table and display in grid, exception handling

	9. Design user interface with view 10. Time & date picker 11. Object oriented programming with python, method overloading and over riding, inheritance and composition 12. Symmetric and asymmetric cryptography, steganography, cyber crime	10. Different layout, different views and button, date & time picker 11. Method overloading and method overriding, inheritance
GL (ME)	1. Angle of projections. (Both 1st & 3rd). 2. Development of surfaces. 3. Losses in pipe line flow. 4. Mechanical drives system. 5. Theories of failures. 6. Second law of thermodynamics. 7. Working principle of differential units. 8. Working of electro discharge machining. 9. Basis mechatronics systems. 10. Hydraulic and pneumatic system.	1. Conic sections. 2. Isometric projections. 3. Orthographic projection in AUTO CAD. 4. Verification of Bernoulli's Theorem. 5. Determination of friction factor. 6. Linear measurement of Vernier Calliper. 7. Angular measurement by sine bar and slip gauges. 8. Measures screw thread's parameters using profile projector. 9. Determination of MA, VR, efficiency, ideal effort and effort lost in friction state and justify whether machine is reversible or not for a given single purchase crab winch. 10. Determine the MA, VR, efficiency, ideal effort and effort lost in friction state and justify whether machine is reversible or not for a given differential wheel and axle.

Dean (Academic)