



अंडमान तथा निकोबार प्रशासन
ANDAMAN & NICOBAR ADMINISTRATION
डॉ. भीमराव अंबेडकर प्रौद्योगिकी संस्थान
Dr. B.R. AMBEDKAR INSTITUTE OF TECHNOLOGY
(NAAC ACCREDITED)

पहाड गॉव पोर्ट ब्लायर
अंडमान तथा निकोबार द्वीप समूह

PAHARGAON, PORT BLAIR- 744103
ANDAMAN & NICOBAR ISLANDS



Demo Theory & Practical Skill Test Schedule

Selected candidates shall be eligible for an amount of 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).
Selection will be based on the performance of the candidates in the practical class.

S.N.	Dept	Educational Qualification	Date and time Practical	Date and time Theory
1	Guest Lecturer (EE)	First class B.E./B.Tech., from recognized university in relevant course	03.04.2023 9:30 am to 12:30 pm	03.04.2023 3:00 pm to 3:30 pm
2	Guest Lecturer (ME)		03.04.2023 9:30 am to 12:30 pm	03.04.2023 3:00 pm to 3:30 pm
3	Guest AP (English)	First class Master's Degree in appropriate subject with first class or equivalent at Bachelor's or Master's level	-----	03.04.2023 3:00 pm to 3:30 pm

Topics

DEPARTM ENT	TOPICS THEORY	TOPICS PRACTICAL
GL (English)	<ol style="list-style-type: none">1. Strategies for effective communication2. Comprehension of technical and non-technical materials3. Basics of phonetics4. Technical writing5. Presentation skills6. Office drafting7. Tenses8. Speeches- formulating speeches for welcome, farewell & vote of thanks9. Use of articles in formulating sentences Active & passive voice.	
GL (EE)	<ol style="list-style-type: none">1. Mesh /Nodal analysis2. RLC series circuit & circuit resonance3. Measurement of single phase power using dynamometer wattmeter4. Construction & working principle of transformer5. Parallel operation of transformer6. Voltage regulation of alternator7. Construction & working of Buchholz Relay8. Different types of line insulators in transmission & distribution system9. Different types of three phase induction motors10. Over current & earth fault protection of alternators	<ol style="list-style-type: none">1. Verification of Kirchoff's Law.2. Measurement of power in single phase AC Circuit.3. Measurement of three phase power by two Wattmeter method.4. Load test on single phase transformer.5. Open circuit and short circuit test in single phase transformer.6. Load test on three phase induction motor.7. Staircase wiring.8. Go down wiring.9. Straight joint and T-joint.10. Starting and running of single phase induction motor in forward and reverse direction.



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GL (ME)	<ol style="list-style-type: none">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.	<ol style="list-style-type: none">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.
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Dean (Academic)