



सरकारी बहुशिल्प संस्थान डिग्लिपुर
GOVT. POLYTECHNIC DIGLIPUR
 अंडमान तथा निकोबार प्रशासन
 Andaman & Nicobar Administration

**Recruitment notice for Guest Lecturer Even Semester (2025-26) for
 Govt. Polytechnic Diglipur**

The Govt. Polytechnic Diglipur will be engaging Guest Lecturer and Part Time Instructor for Diploma program. The candidates who possess the under mentioned education qualification and who are willing to work may attend the walk-in interview in below mentioned time and venue with relevant document. Preference will be given to Diglipur candidates. The candidates shall report to Academic Cell, DBRAIT 30 mins prior to the schedule time as mentioned below:

| Sl.No | Name of the Post | Qualification | Date & Time |
|-------|--|--|--|
| 1. | Guest Lecturer- (Civil Engineering) | | |
| 2. | Guest Lecturer- (Computer Science & Engineering) | First Class B.E./B.Tech from recognized University in relevant course. | |
| 3. | Guest Lecturer- (Physics / Chemistry) | First class in Master's Degree in appropriate subject with first class at Bachelor's level | |
| 4. | Part Time Instructor- Civil | Bachelor Degree in relevant field from a recognized university OR Diploma in relevant field from a recognized university/ Board OR Senior secondary pass(10+2) in Science subject from a recognized educational/ Technical Institution | Govt. Polytechnic Diglipur, dt. 17-01-2026 time: 09:00 am |
| 5. | Part Time Instructor- CSE | Senior secondary pass (10+2) with vocational course certificate in an appropriate trade with 3 years practical experience | |
| 6. | Part Time Instructor- Physical Education | Degree in Physical Edn. from recognised University OR Diploma in Physical Edn. with 02 years' experience as Physical Training Instructor from recognised Institute | |

The selection will be based on the performance of candidate in the demo class/interview. The demo topic will be downloaded from the website <https://dbrait.andamannicobar.gov.in>. For any queries candidates may contact Govt. Polytechnic Diglipur Campus at GMSSS Sitanagar, Diglipur or Academic cell of DBRAIT, Port Blair. The selected Guest Lecturer shall be paid a remuneration of max. of Rs. 1000/- per theory period and Rs. 500/- per practical period, subject to a maximum ceiling of ₹25,000/- per month. The selected Part time instructor shall be paid a remuneration of max. of Rs. 750/- per day, subject to a maximum ceiling of ₹18,000/- per month.

Principal I/c, GPD

प्रधानाचार्य /Principal
 सरकारी बहुशिल्प संस्थान डिग्लिपुर
 GOVERNMENT POLYTECHNIC DIGLIPUR
 पाला तथा मध्य अंडमान 744202
 North & Middle Andaman 744202

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GOVT. POLYTECHNIC DIGLIPUR

DEMO TOPICS FOR GUEST LECTURER (GL) 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 CO/IT (GL) | Fundamentals of Cryptography: Symmetric and Asymmetric Cryptography | Prepare and test straight and test cable |
| | | Steganography | Write a C program to implement Caesar cipher technique to perform encryption and decryption of text |
| | | TCP/IP Model | Write a C program for parity check error detection |
| | | Subnetting (Classful & Classless) | Preperation of result sheet in excel |
| | | User requirements & its Analysis Techniques | Write a C program to craetes strong password authentication [password should be more than 8 characters and combination of digits, letters and special character (#, %, &, @)] |
| | | Generative AI | |
| | | Blockchain Technology | |
| | | Need and features of Android | |
| | | Android architecture framework | |
| | | Acceptance testing : Alpha, Beta testing | |
| | | Regression testing | |

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| 3 | Physics (GL) | Types of moduli of elasticity | Determination of Young's modulus of given wire. |
| | | Newton's laws of motion, and their applications | Determination of force constant using helical spring |
| | | Stress -Strain diagram, Poisson's ratio, factors affecting elasticity | Determination of acceleration due to gravity by using simple pendulum . |
| | | Resonance , Application of resonance | Determination of I-V characteristics of photoelectric cell. |
| | | Ultrasonic waves, properties of ultrasonic waves. | Determination of I-V characteristics of LDR. |
| 4 | Chemistry (GL) | Metallurgy and its different steps | To determine the pH value of solutions using pH meter and universal indicator |
| | | Definition of Corrosion, its mechanism, types and methods of protections | Determine thinner content in oil paint |
| | | Protective coating and its types in terms of corrosion | Identification of Cation in given salt sample |
| | | Waste water treatment. | Identification of Anion in given salt sample |
| | | Hardness of water, its types and methods of removal | Estimation of available chlorine in bleaching powder |
| | | Chemical Bonding- Ionic, covalent and Coordinate bonds | Estimate the chlorine content of given water sample |
| | | Polymers, its classification and applications. | Estimation of magnesium by EDTA |
| | | Desalination process – reverse osmosis and electrodialysis | Determination of carbonates and bicarbonates in water |

GOVT. POLYTECHNIC DIGLIPUR

DEMO TOPICS FOR PTI SELECTION PROCESS FOR THE SESSION 2025-26 (EVEN SEM)

| S. No. | DEPARTMENT | PRCATICAL |
|---------------|--------------------------|--|
| | | |
| 1 | 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 |
| 2 | Diploma Civil (PTI) | Basic Surveying: Chain surveying, Compass surveying and Leveling Water and waste water engineering: Physical and chemical parameters Construction Material testing and concrete Laboratory: Test for cement, fine aggregates ,coarse aggregates , concrete and steel |
| 3 | Physical Education (PTI) | a) Volleyball (Fingering/ Service/Underarms/ Smashing) b) Badminton (The game skill) c) Table tennis (The game skill) d) Sit-ups (dips/ Shuttle run/ each nos in 30 seconds per activity) e) Interview (General knowledge of Sports/ Physical education) |