



GOVT. POLYTECHNIC DIGLIPUR

Andaman & Nicobar Administration

E-File No.:4032/

Dated: 07/08/2026

RECRUITMENT NOTICE FOR GL & PII (2026-27 Odd) - GPD

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). For Part Time Instructor, Rs.750/- per day for the practical classes not exceeding Rs. 18,000/- per month. Selection will be based on the performance of the candidates in the Demo theory and practical class. The venue for theory demo will be Audio Visual Room (AV Room) of the DBRAIT and practical skill test will be conducted by the concerned departments.

Sl. No	Name Of Post	No. of Post	Education Qualification	Date and Time	
				Practical	Theory
01	Guest Lecturer, CIVIL	01	First class in B.Tech/B.E from recognized University in relevant course	13-08-2026 at 9.30am to 12.00 noon	13-08-2026 at 2.30pm to 3.30 pm
02	Guest Lecturer, CSE	02			
03	Part Time Instructor (Civil)	01	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) with vocational course certificate in an appropriate trade with 3 years practical experience	13-08-2026 at 9.30am to 12.00 noon	
04	Part Time Instructor (CSE)	01	OR 10 th passed with ITI in the relevant field passed from a recognized Institute/ Board with 3 years experience.		
Total		04			



Principal

Govt. Polytechnic Diglipur

सरकारी बहुविध्य शिक्षण संस्थान डिग्लिपुर
GOVERNMENT POLYTECHNIC DIGLIPUR
उत्तर तथा मध्य अंडमान प्रदेश
North & Middle Andaman

GOVT. POLYTECHNIC DIGLIPUR

DEMO TOPICS FOR GUEST FACULTY SELECTION PROCESS FOR THE SESSION 2026-27 (ODD SEM)

S.NO.	DEPARTMENT	DEMO TOPIC	
		THEORY	PRACTICAL
1	CIVIL (GL)	Building Plan and Drawing- (a) Types of Lines (b) Principles of planning of residential & public building (c) Planning & design of doglegged staircase for residential and public buildings	Concrete Technology- (a) Test for aggregates (course & fine) (b) Test for cement (c) Test for concrete
		(a) Concrete Technology - Properties of concrete (b) Methods of testing - Mix design	Building Plan and Drawing- (a) Preparing various types of plan and section for a framed structure building (b) Working drawing of the framed structure (c) Plnning of dog legged staircase for residentail and public building
		Public Health Engineering- (a) Estimate the quantity water and waste water (b) Process of treatment of water and waste water (c) Physical and chemical characteristics of water and waste water	Public Health Engineering- (a) Test for portable water (common physical & chemical parameters) (b) Test for calculating optimum dosage of coagulant (c) Residual chlorine and chlorine demand test
2	CSE (GL)	Operation System (a) CPU Scheduling Algorithm - FCFS, SJF, Priority, Round Robin Software Engineering (a) Software project cost estimation : COCOMO model (b) UML Modeling: use case diagram, class diagram, sequence diagram Data Structure using C (a) Searching - Linear Search & Binary Search (b) Sorting - Selection Sort, Insertion Sort (c) Linked list - Signly Linked list Object Oriented Programming using C++ (a) Constructor and Destructors (b) Inheritance (c) Polymorphism Computer Graphics (a) Line Drawing Algorithm - DDA Algorithm, Bresenham Algorithm (b) 2D Transformation (c) 3D Transformation Fundamentals of Pythom Programming (a) Python - List, Set, Tuple, Dictionary (b) Functions in Python - User defined functions (c) Python Packages - NumPy, Matplotlib	Write a C / Python Program to calculate average waiting time and turn around time of n processes with first come first serve CPU scheduling algothrim. Write a C / Python Program to calculate average waiting time and turn around time of n processes with shortest job first CPU scheduling algothrim. Implement sorting algothrim in C Algothrim program in C using linked list Write program in C++ for parameterized constructor Write program in C++ for copy constructor Write a programs using single level inheritance Write a programs using multi level inheritance Write a C program to draw line using DDA algorithm Write a C prgram to draw a line using Bresenham Algorithm Formula and functions in worksheet Write a program in Python to accept the 3 sides of a triangle to check whether the triangle is isosceles, equilateral, right angled triangle Create a user defined module in python and use the module in program.

**DEMO TOPICS FOR PART TIME INSTRUCTOR SELECTION PROCESS FOR THE
SESSION 2026-27 (ODD SEM)**

S.No.	Department	Topic
1	PTI (CSE)	Network cabling
		Setup wifi
		Assemble & disassemble of various parts of Computer System
		OS installation
		C Program on pointers, structs and file management
		C++ Program on class, overloading, inheritance
		Data structure using C - Tree traversal
		Data structure using C - Bubble sorting, radix sorting
		Mail merge
		Preparation of result sheet in Excel
2	PTI (CIVIL)	BUILDING DRAWING & PLANNING WITH CAD
		(a) Preparation of various types of plan & section for a framed structure building
		(b) Working drawing of framed structure
		(c) Planning of Dog Legged stair case for residential & public building
		CONCRETE TECHNOLOGY
		(a) Test for cement
		(b) Test for aggregate (fine & coarse)
		(c) Test for concrete
		SURVEYING
		(a) Chain surveying
		(b) Compass surveying
		(c) Levelling