

EMPLOYMENT NOTICE

Applications are invited from the eligible candidates, possessing educational qualification prescribed below for appointment of under mentioned post purely on contract basis at Govt. Industrial Training Institute (ITI), Dollygunj, VTI, Bakultala and ITI, Car Nicobar. The selection to the said posts will comprise of Written Test and Personnel Interview. The set wise syllabus for the written test can be downloaded from the website of A&N Administration i.e. www.and.nic.in and can also be had from Academic Cell (CTS) ITI, Dollygunj on any working days. The test will be conducted at ITI, Dollygunj and details are as under:

S.No.	Post Code	Name of Post	No. of Post	Consolidated Pay (in ₹)	Eligibility	Syllabus Set No.	Date of Written Exam
1	001	Librarian –cum- Audio Visual Instructor	01	24000.00	Bachelor of Degree in Library Science	Set-VIII	24.09.2013 (03.00PM)
2	002	Physical Education Instructor-cum-Hostel Warden	02	24000.00	Bachelor Degree in Physical Education	Set-VII	24.09.2013 (01.00PM)
3	003	Vocational Instructor (Refrigeration and Air-Conditioning)	01	24000.00	Degree / Diploma in Mechanical / Electrical Engineering / Technology	Set-I	23.09.2013 (09.00AM)
4	004	Vocational Instructor (Welder)	02	24000.00	Degree/ Diploma in Mechanical Engineering / Technology	Set-II	23.09.2013 (11.00AM)
5	005	Vocational Instructor (Plumber)	01	24000.00	Degree/ Diploma in Mechanical or Civil Engineering / Technology	Set-IV	23.09.2013 (03.00PM)
6	Vocational Instructor (Construction & Woodworking Sector) Module wise Post:			24000.00	Degree/ Diploma in Civil Engineering / Technology	Set-IX	25.09.2013 (09.00AM)
	006	a) Modern Construction Techniques and Management	01				
		b) Concrete Technology	01				
		c) Formwork and Bar Bending	01				
		d) Basic Plumbing	01				
		e) Basic Carpentry	01				
		f) Basic Building Construction	01				
		g) Basic Quantity Surveying	01				
007	h) Basic Architecture	01	24000.00	Degree/ Diploma in Architectural Engineering / Technology			
008	i) Basic Electrical	01	24000.00	Degree / Diploma in Electrical Engineering / Technology	Set-III	23.09.2013 (01.00PM)	
7	009	a) Vocational Instructor (Computer Application)	01	24000.00	Degree / Diploma in Computer Engineering / Technology	Set-XI	25.09.2013 (01.00PM)
	010	b) Vocational Instructor (Computer Application & AutoCAD)	01		Degree / Diploma in Engineering and certificate of one year computer application with AutoCAD	Set-X	25.09.2013 (11.00AM)
8	011	Vocational Instructor (Employability Skills)	02	24000.00	Bachelor or Master Degree in Business Administration	Set-VI	24.09.2013 (11.00AM)

9	012	Vocational Instructor (Workshop Calculation & Science)	02	24000.00	Degree / Diploma in Mechanical / Civil Engineering / Technology	Set-XIII	26.09.2013 (11.00AM)
10	013	Vocational Instructor (Engineer Drawing)	01	24000.00	Degree / Diploma in Mechanical Engineering / Technology	Set-V	24.09.2013 (09.00AM)
11	014	Vocational Instructor (Engineering Drawing and Workshop Calculation & Science)	01	24000.00	Degree / Diploma in Mechanical Engineering / Technology	Set-V	24.09.2013 (09.00AM)
12	015	Vocational Instructor (Electrical)	01	24000.00	Degree / Diploma in Electrical Engineering / Technology	Set-III	23.09.2013 (01.00PM)
13	016	Vocational Instructor (Mechanical)	01	24000.00	Degree / Diploma in Mechanical Engineering / Technology	Set-XIII	26.09.2013 (11.00AM)
14	017	Vocational Instructor (Civil)	01	24000.00	Degree / Diploma in Civil Engineering / Technology	Set-IX	25.09.2013 (09.00AM)
15	018	Training and Placement Officer	01	25000.00	Degree / Diploma in Engineering / Technology	Set-XII	25.09.2013 (03.00PM)
16	019	Store Keeper	01	24000.00	Degree / Diploma in Mechanical or Civil Engineering / Technology	Set-XIII	26.09.2013 (11.00AM)
17	021	Project Officer (Technical)	01	24000.00	Degree / Diploma in Engineering / Technology	Set-XIII	26.09.2013 (11.00AM)
18	022	Project Officer (Finance)	01	24000.00	Master in Business Administration	Set-VI	24.09.2013 (11.00AM)
19	020	Heavy Vehicle Driver	01	12500.00	10 th Pass with Heavy Vehicle Driving Licence	Date will be intimated later.	
20	023	Part time staff (English)	01	8500.00 (Approx.)	Master Degree in English	Only Personal Interview to be conducted and date will be intimated later.	

Interested candidates may submit / send their filled-in application in prescribed format along with attested copies of testimonials to the Principal, Industrial Training Institute, Dollygunj, Junglighat (PO) Port Blair, Pin 744103. The candidates can opt for one or more post in single application as per their eligibility. The last date for submission of application is **20.09.2013**.

PRINCIPAL
Govt. Industrial Training Institute (ITI)
Dollygunj

**APPLICATION FOR THE POST OF CONTRACT STAFF / PART TIME INSTRUCTOR IN ITI DOLLYGUNJ, VTI
BAKULTALA & ITI CAR NICOBAR**

To

The Principal
Industrial Training Institute
Dollygunj, Port Blair

Affix a self-attested recent photograph of the applicant

Sub: *Application for the posts of Contract Staff / Part Time Instructor – reg.*

Sir

With reference to the advertisement for recruitment to the various posts, I beg to submit my candidature, as per the following details and enclosures:

1.	Post Code(s)					
2.	Name of Applicant <small>(in BLOCK LETTERS)</small>					
3.	Father's Name					
4.	Date of Birth, <small>(as recorded in the matriculation / Secondary Examination Certificate)</small>					
5.	Sex					
6.	Nationality					
7.	Educational Qualifications: (if required additional / separate sheet may enclosed)					
S. NO	EXAMINATION PASSED	UNIVERSITY/BOARD/ NAME OF THE INSTITUTION	YEAR OF PASSING	% age of Marks	Division / Class	MAIN SUBJECT
Academic Qualification						
(i)	10 th					
(ii)	12 th					
(iii)						
Technical Qualifications						
(i)						
(ii)						
(iii)						
8.	Category					General / OBC/ SC/ST/ Others
9.	Employment Exchange Regn. no.					
10.	Permanent Address					
11.	Address for communication with Phone / Mobile no. (compulsory)					
12.	Email ID					

13. EXPERIENCE / POST HELD PREVIOUSLY: (if required additional / separate sheet may enclosed)

S.NO	NAME OF THE EMPLOYER/ DEPARTMENT	DESIGNATION OF THE POST	SALARY DRAWN	NATURE OF DUTIES	PERIOD / PLACES		
					FROM	TO	Total duration
A.							
B.							
C.							
D.							
E.							

14. ADDITIONAL INFORMATION REGARDING TRAINING / FURTHER STUDIES etc

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DECLARATION

I hereby declare that all statements made in the application are true, complete and correct to the best of my knowledge and belief. In the event of any information being false or incorrect or ineligibility being detected before or after my selection, my candidature / appointment is liable to be terminated forthwith without any notice to me.

DATE:
PLACE:

Yours faithfully

Name & Signature of applicant

List of documents enclosed:

POST WISE SYLLABUS

SYLLABUS SET I: REFRIGERATION & AIR-CONDITIONING

General Engineering

Induction, Orientation Safety, Basic Fitting, Basic Sheet Metal, Basic Welding, Brazing, Basic Electrical, Basic Electronics, Basic Electro-Mechanical Devices, Engineering Materials, Mechanical Measurement, Strength of Materials, Trade related tools & equipments

Refrigeration & Air-Conditioning

Refrigeration System & Servicing Basics and Practices including use of tools, Servicing Components like compressors, Evaporators Condensers, Servicing of Accessories & Controls of Refrigeration System, Refrigerants, Handling, Safety, Leak testing, Evacuating and Charging, *Servicing of Domestic & Commercial Appliances*, Servicing Refrigerators, Servicing Air-Conditioners, Servicing Auto AC, Servicing Components, Servicing Commercial Appliances, *Servicing Cold Storages and Commercial Refrigeration Plants*, Overhaul & Service of Compressors used in low temperature application, Overhaul & Service of Condenser, cooling water system including cooling tower, water treatment plant & pumps, Servicing of Chillers, Fin & Tube Evaporators and Controls, Operations & Maintenance of Cold Storages, *Servicing Small Air-Conditioning Plant*, Relative Humidity & Air Flow measurements, Ducting, Servicing AC Plants (small Installation & Operation of Small AC Plants *Repairs & Maintenance* Auto AC Repair, Maintenance, Retrofit Auto AC systems with HFC, Repair Maintenance of Domestic / Commercial Appliances, Retrofit Domestic / Commercial Appliances with HCs/HFCs, Retrofitting Cold Storage with Non CFCs

Workshop Calculation & Science

Units, General Simplification, Square Roots, Graph, Ratio and Proportion, Percentage, Algebra, Logarithms, Mensuration, trigonometry, metals, heat treatment, density and relative density, force, moment and lever, simple machines, work, power and energy, friction, simple stresses and strains, velocity and speed, heat, Thermodynamics, Atomic Structure

SYLLABUS SET II: WELDER (GAS & ELECTRIC)

General Engineering Training

Induction, Orientation Safety, Basic Fitting, Basic Sheet Metal, Basic Welding, Brazing, Basic Electrical, Basic Electronics, Basic Electro-Mechanical Devices, Engineering Materials, Mechanical Measurement, Strength of Materials, Trade related tools & equipments

Welding Technology

Classification welding, commonly welded base metal, Advantage and disadvantage of Welding, Welding as compared to riveting and casting, practical application of welding, safety recommendations in welding and cutting, gas welding, flux shielded metal arc welding, Submerged welding Arc Welding, TIG welding, MIG welding, Electroslag Welding, Plasma Arc Welding, Arc Welding equipment, Resistance welding, spot welding, seam welding, projection welding, flash butt welding, Cold Welding, Ultrasonic Welding, Friction Welding and Inertia welding, Thermit Welding, Atomic Hydrogen Welding, Electron Beam Welding, Laser Beam Welding, Braze Welding, Brazing, Soldering, Weldability, Welding of Gray Cast Iron, Welding of Low Carbon Steels, Welding of Medium Carbon Steels, Welding of Stainless Steels, Welding of Copper and its Alloys, Welding of Aluminium, Welding of Cast Iron, Welding of Plastics, Metallurgical effects of Welding, Methods of Relieving Welding Stresses Welding Distortion and its control, Thermal cutting of Metals. Various Welding Machines and Accessories, Pipe Welding, CO₂ welding over MMAW, Job preparation. Metal Machinery, Cutting tools, Tools materials, wear and machinability, measurement for cutting forces, Machining, grinding, Drilling, Metal Casing and Joining, Jigs and Fixtures

Workshop Calculation & Science

Units, General Simplification, Square Roots, Graph, Ratio and Proportion, Percentage, Algebra, Logarithms, Mensuration, trigonometry, metals, heat treatment, density and relative density, force, moment and lever, simple machines, work, power and energy, friction, simple stresses and strains, velocity and speed, heat, Thermodynamics, Atomic Structure

SYLLABUS SET III: ELECTRICAL ENGINEERING

General Engineering

Induction, Orientation Safety, Basic Fitting, Basic Sheet Metal, Basic Welding, Brazing, Basic Electrical, Basic Electronics, Basic Electro-Mechanical Devices, Engineering Materials, Mechanical Measurement, Strength of Materials, Trade related tools & equipments

Electrical Engineering

Occupational Safety & Health, Trade-Hand tools-Specifications, Fundamental of electricity, Soldering and Brazing, National Electrical Code 2011, Ohm's Law, Kirchoff's Laws and applications, Common Electrical Accessories, Chemical effect of electric current-Principle of electrolysis. Faraday's Law of electrolysis, Battery and Cells, Inverter, Battery Charger, UPS, Magnetism, Principle of electro-magnetism, Resistance, Working principles and circuits of common domestic equipments & appliances, D.C. Machines, D.C. generator, Electric Motors, Types of speed control of DC motors in industry, Insulating materials, Electric wirings, I.E. rules, Earthing, Alternating Current, Harmonics, Types illumination & lamps, three-phase Star & Delta connection Line voltage & phase voltage, current & power in a 3 ph circuits, with balanced and unbalanced load, Automatic Voltage Regulator, Transformer, Automatic Voltage Regulator, Electrical Measuring Instruments, Explanation of light, Types illumination & lamps, Windings,, Industrial wiring, Fuse, Basic Electronics, Amplifiers, oscilloscope, transistors, ICs, Digital Electronics, Decorative lighting

Workshop Calculation & Science

Units, General Simplification, Square Roots, Graph, Ratio and Proportion, Percentage, Algebra, Logarithms, Mensuration, trigonometry, metals, heat treatment, density and relative density, force, moment and lever, simple machines, work, power and energy, friction, simple stresses and strains, velocity and speed, heat, Thermodynamics, Atomic Structure

SYLLABUS SET IV: PLUMBING

General Engineering

Induction, Orientation Safety, Basic Fitting, Basic Sheet Metal, Basic Welding, Brazing, Basic Electrical, Basic Electronics, Basic Electro-Mechanical Devices, Engineering Materials, Mechanical Measurement, Strength of Materials, Trade related tools & equipment.

Plumbing

Mason, Hand tools, bricks, plastering, bonds, scaffolding, plumber tools, terms and symbols, equipment, composition of water, Pascal law, types of fitting, joints, drain, manholes, septic tank, traps, plumber materials, lead, tin, zinc, solder, Cu, red lead and their uses, water supply system, water pump, pipe dies, bending machines, valves, rain water harvesting, domestic drainage, Air composition, Domestic boiler, geysers, types of G.I. pipe, water meter, Storage of water, Distribution system, factors effecting storage capacity, Two pipe and one pipe system in house plumbing, Description types of soil and waste pipe fitting. Door junction, door bend, H.R. Bend, Plain Bend, Double door junction, inverter junction. Cowel, Floor trap, Gully trap P- trap. etc., Layout of soil pipe, P.V.C. pipe, ISI specification of pipe, their properties and use in plumbing work. Method of cutting and preparing joints like elbow joint, socket joint, Tee joint, reducing elbow joint, floor trap joint, P- trap joint, H.R. bend joint, plain bend joint, Double Y junction joint. Precautions used while making P.V.C joint. Different types of valves used in plumbing. Types of damages in taps, valves and water meter and tanks, causes of damages.; Method of rectification and different methods of modification etc., Different types of water closets Indian W.C. and E.W.C., Orisa Pan, R.W.C., wall hanged etc. General description of W.C. Different types of W.H.B and their sizes. Different types of urinal pot, Kitchen sink, Bath tub etc. Their utility and standard sizes as per ISI recommendation, Remote Sensing and GIS in Water Resources Engineering, Drawing of different types of irrigation structure, Surface and ground water treatment, Water / Waste water quality enhancement, Water Purification and Storage including Rain Water Harvesting, Laying Pipe line, Low cost latrines and soak pits for rural areas, Solid waste management concepts (low cost) for rural areas in far flung islands, Ring well construction and execution in rural parts, Storage / diversion head works definitions: types of Dam-Masonry, Concrete & Composite Dams, gravity Dam, Arch and Buttress Dams, Earth and Rock Fill Dams. Hydrology like duty delta, intensity of irrigation, Hydrograph, peak flow, runs off, catchments area CCA, corps like, Rabi, Kharif etc

Workshop Calculation & Science

Units, General Simplification, Square Roots, Graph, Ratio and Proportion, Percentage, Algebra, Logarithms, Mensuration, trigonometry, metals, heat treatment, density and relative density, force, moment and lever, simple machines, work, power and energy, friction, simple stresses and strains, velocity and speed, heat, Thermodynamics, Atomic Structure

SYLLABUS SET V: ENGINEERING, MACHINE AND ELECTRICAL DRAWING

General Engineering

Induction, Orientation Safety, Basic Fitting, Basic Sheet Metal, Basic Welding, Brazing, Basic Electrical, Basic Electronics, Basic Electro-Mechanical Devices, Engineering Materials, Mechanical Measurement, Strength of Materials, Trade related tools & equipment.

ENGINEERING, MACHINE AND ELECTRICAL DRAWING

Importance of Engineering Drawing, Lettering Styles, Loci of Points, Triangles and their types, Quadrilaterals and their properties, Polygon and their properties, Circles, tangents and ellipse, Parabolic curves, hyperbola, Involute and helix, Free Hand Sketching of plane figures, Types of lines and their applications, Dimensioning and scales, Pictorial drawing, orthographic projection, projection of points, Technical drawing, Sketching of components/parts, Sectional views, Development and intersections, Screw threads and fasteners, Rivets, Detail Drawing and Assembly drawing, Indian Standard System of limits and fits, Tolerance, keys, cotter and pin-joints, pulleys, pipes and pipe joints, Automobile drawing, Engine Details, Gears, Symbols of Electrical, Electronics, Mechanical etc, Fuse, Transformer, Winding details, Circuit. Diagram of battery charging circuits, Voltage regulator, earthing, Drawing the schematic diagram of the starting and controlling gears of slip ring and Sq. cage Ind. Motor, Typical wiring diagram for drum and controller operation of A.C. wound rotor motor, Layout diagram of a substation Single line diagram of substation feeders. Connection diagram of typical overload current relays. Basic Electronic Components, Drawing of B.I.S./I.S.I. symbols for Electronic devices, Filling of m/cs history card and maintenance cards and inventory control cards, Drawing circuits for a single stage, Amplifiers and Multi stage Amplifiers and types of signals, Logic gates, Building plan, Building plan & mark the position of the sanitary fittings, water supply line, drainage line connection to sewage line, Longitudinal section of the house drain. Drainage arrangements of workshop of an institution, Reading and drawing of different stages of Radio receiver circuits. Practice on block diagram of computer system, Block diagram of different types of internet protocol system, Drawing of hydraulic and pneumatic symbol. Block Diagram of Hydraulic and pneumatic power pack unit. Free hand sketching of 4 stroke cycles & 2 stroke cycles of engine, Plumbing Blue print

Workshop Calculation & Science

Units, General Simplification, Square Roots, Graph, Ratio and Proportion, Percentage, Algebra, Logarithms, Mensuration, trigonometry, metals, heat treatment, density and relative density, force, moment and lever, simple machines, work, power and energy, friction, simple stresses and strains, velocity and speed, heat, Thermodynamics, Atomic Structure

SYLLABUS SET VI: Employability Skill

Pronunciation, Functional Grammar, Reading, Writing, Speaking, Communication Skill, Listening skill, Motivation, Facing Interview, Time management Skill, Quality Tools, Occupational Safety and Health (OSH), HIV/AIDS, STD, Entrepreneurship, Training Methodology Role of Manager, Decision Making, Organizational Climate and Change, Organizational Structure and processes, Behavioural Dynamics, Human Resource Management and Development, Accounting Framework, Understanding of Financial Management, Cost Management, Financial and Investment Analysis, Financial Decisions, Management of Machines and Materials, Information system for managers, Organizational Design, Development and Change. Strategic Management, Employment Relation, Wage and Salary Administration, Labour Laws, Marketing, Management of New and Small Enterprises, Total Quality Management, Works study and work measurement, Wages incentive, Design of production system, Product cost, Principle of plant layout, production of planning and control, Materials Handling, Operation research, Linear Programming Queuing Theory, Value Engineering, Network Analysis, CPM and PERT, Use of Computers

SYLLABUS SET VII: PHYSICAL EDUCATION

Anatomy, Physiology and Health Education, **Specialization Game Men:** Athletics, Hockey, Football, Basket Ball, Hand-Ball, Wrestling, Kabbadi, Kho-Kho, Gymnastics, Weight lifting. **Women:** Athletics, Hockey, Basket Ball, Hand-Ball, Kabbadi, Kho-Kho, Gymnastics, Badminton, Table Tennis, Sprint & Hurdles, Shot-put/Discuss/Javelin, Jump/Triple-Jump, Distance/Long Distance and Relays, High Jump/Pole vault. **For each game:** History of the game, Measurement of the field and preparation of the field/Court, Equipment and Materials of the game, Fundamental skill and lead up game, Techniques, strategies and system of play, Rules of the game, Tournaments played at National and International level, Award in the game and records, Officiating: (a) Duties of officials (b) Score sheet (c) Signals of officiating (d) Technical equipment, Psychology with special reference to Physical Education, History and Principles of Physical Education, Methods & Administration of Physical Education, Officiating and Coaching, Yoga, Kinesiology and Biomechanics, Dietician and Food Service Management, Maintaining Hygienic Environment.

SYLLABUS SET VIII: LIBRARY SCIENCE AND INFORMATION SYSTEM

Philosophy of library and information science, role and evolution of library as a social institution, library and information profession, Concept of library, Library in Society, Types of libraries, Library cooperation, Comparative Librarianship, Library development in India, Library Legislation, Promoters of library and information services, theory of library classification, the principles and theory of library cataloguing and indexing, Concept of library, the principles of management and government of library and also acquaint them with management techniques, Concept of Management, Library Planning, Library organization, Organisational structure in Libraries, Library Finance, Human Resource Management: Policy and staffing, categories of library personnel; staff manual, Collection Development and Access Management, Development policy, Technical processing of documents, Storage and Maintenance Section, Library Building and Equipment, Public Relations and Marketing, Library Statistics, Library surveys, Evaluation of library sources and services, User studies, Information literacy, Documentary sources of Information, Introduction to Documentation and Information Centres. Information Systems and Networks, Basic concepts of computers, Library automation. Introduction to computers, Types of computers, Computer Hardware, Software, Operating systems, Algorithms and flowcharts, Programming language, Word-Processing software, Online information services: Search engines, Information Retrieval: Boolean operators. Library softwares: Evaluation criteria, Study of features of select library software packages : Alice for Windows, WINISIS, LIBSYS, SOUL

SYLLABUS SET IX: CONSTRUCTION

General Engineering

Induction, Orientation Safety, Basic Fitting, Basic Sheet Metal, Basic Welding, Brazing, Basic Electrical, Engineering Materials, Measurement, Strength of Materials, Trade related tools & equipment.

Civil Engineering

Scales, Dimension techniques, Orthographic projection, Perspective projection, Building materials, Scaffolding, Foundations, Damp proof courses, Survey (chain, plane table, theodolite compass), Roads, Railway, Culverts, Bridge, Irrigation structures, Public health & sanitation, Details of RCC members, Floor and finishing, Rivet heads, Riveted joints, Steel roof trusses, Doors, Windows and ventilators, Wooden roof truss, Upper floors, Details of brick, stairs, Plumbing, Carpentry, Basic Electrical Engineering and House Wiring, Residential building, Form Work and Bar Bending, Concrete Technology, Modern Construction Techniques and Managements, Principles of planning, Orientation local building byelaws including IS code, Preparing bar bending schedules, Building Estimating, Building Drawing and structural Drawing using CAD software, Information Technology in Construction, Construction management, structural drawing, coastal, harbour and environmental engineering, preparation of tender documents (nit), measurement accounts, stock register etc., assessment, repair & rehabilitation of structure, materials and labour constraints, stores / inventory controls.

Workshop Calculation & Science

Units, General Simplification, Square Roots, Graph, Ratio and Proportion, Percentage, Algebra, Logarithms, Mensuration, trigonometry, metals, heat treatment, density and relative density, force,

moment and lever, simple machines, work , power and energy, friction, simple stresses and strains, velocity and speed, heat, Thermodynamics, Atomic Structure.

SYLLABUS SET X: Basic Computer Application & AutoCAD

Computer Application

Computer Hardware & Software, Software, Application Software and System Software Operating System, Windows Operating System, Microsoft Office. Office Automation System, LAN, WAN, Internet, Search engines, Translators, Various CAD software

Importance of Engineering Drawing, Lettering Styles, Loci of Points, Triangles and their types, Quadrilaterals and their properties, Polygon and their properties, Circles, tangents and ellipse, Parabolic curves, hyperbola, Involute and helix, Free Hand Sketching of plane figures, Types of lines and their applications, Dimensioning and scales, Pictorial drawing, orthographic projection, projection of points, Technical drawing, Sketching of components/parts, Sectional views, Development and intersections, Screw threads and fasteners, Rivets, Detail Drawing and Assembly drawing, Indian Standard System for Engineering Drawings, Machine & Civil Drawing.

Complete Knowledge of AutoCAD 2013, ArchiCAD , Coordinates system, Command line, Editing / Modify Tools, Drawing tools, 2D/3D Drawing, Solid modelling, Region, Dimension, Zoom, Plotting, Template, Design Centre, Layers, Tools, Options etc. and 3D Home.

Workshop Calculation & Science

Units, General Simplification, Square Roots, Graph, Ratio and Proportion, Percentage, Algebra, Logarithms, Mensuration, trigonometry, metals, heat treatment, density and relative density, force, moment and lever, simple machines, work , power and energy, friction, simple stresses and strains, velocity and speed, heat, Thermodynamics, Atomic Structure.

SYLLABUS SET XI: Computer Application

Computer Hardware & Software, Software, Application Software and System Software Operating System, Windows Operating System, Microsoft Office. Office Automation System, LAN, WAN, Internet, Search engines, Translators, Various CAD software, Programing Languages, C, C++, Java, Oracle, SQL, Visual Basic dot net, Data Base, Information system for Decision Making, Data management technology, Office Automation System LAN, WAN, Email and Electronic Dater Interchange, TCP/IP and client Server, Information System for Business and Strategic Management, Computers and Boolean Algebra, Introduction of Logic gates, and Flip flop, Computer Hardware, Software, Operating System, Web Designing, Photoshop, Coral Draw, ASP, JSP.

SYLLABUS SET XII: Training and Placement

General Engineering

Induction, Orientation Safety, Basic Fitting, Basic Sheet Metal, Basic Welding, Brazing, Basic Electrical, Engineering Materials, Measurement, Trade related tools & equipment.

Basic Computer and Management

Computer Hardware & Software, Software, Application Software and System Software Operating System, Windows Operating System, Microsoft Office. Office Automation System, LAN, WAN, Internet, Search engines, Translators, Pronunciation, Functional Grammar, Reading, Writing, Speaking, Communication Skill, Listening skill, Motivation, Facing Interview, Time management Skill, Quality Tools, Occupational Safety and Health, Entrepreneurship, Training Methodology Role of Manger, Decision Making, Organizational Climate and Change, Organizational Structure and processes, Behavioural Dynamics, Human Resource Management and Development, Information system for managers, Organizational Design, Development and Change. Strategic Management, Employment Relation, Marketing, Management of New and Small Enterprises, Total Quality Management, Works study and work measurement, Operation research.

Workshop Calculation & Science

Units, General Simplification, Square Roots, Graph, Ratio and Proportion, Percentage, Algebra, Logarithms, Mensuration, trigonometry, metals, heat treatment, density and relative density, force, moment and lever, simple machines, work , power and energy, friction, simple stresses and strains, velocity and speed, heat, Thermodynamics, Atomic Structure.

SYLLABUS SET XIII: Workshop Calculation and Science and Store Management

General Engineering

Induction, Orientation Safety, Basic Fitting, Basic Sheet Metal, Basic Welding, Brazing, Basic Electrical, Engineering Materials, Measurement, mechanical, Civil, Electrical and Electronics related tools & equipment.

Basic Computer

Computer Hardware & Software, Software, Application Software and System Software Operating System, Windows Operating System, Microsoft Office. Office Automation System, LAN, WAN, Internet, Search engines, Translators,

Workshop Calculation & Science

Units, General Simplification, Square Roots, Graph, Ratio and Proportion, Percentage, Algebra, Logarithms, Mensuration, trigonometry, metals, heat treatment, density and relative density, force, moment and lever, simple machines, work, power and energy, friction, simple stresses and strains, velocity and speed, heat, Thermodynamics, Atomic Structure. Electrical and Electronics related Calculation, Basic Electrical Engineering, Inventory Management, and Material Management.
