

Police organises Tiranga Rally



Police Personnel taking out Tiranga Rally at Poonch.

STATE TIMES NEWS

POONCH: As a part of "Azadi Ka Amrit Mahotsav", District Police Poonch on Saturday organised a Tiranga Rally

in Poonch town. Rohit Baskotra, SSP Poonch led the rally which was undertaken from DPL Poonch and covered the whole of Poonch town. The other officers who participated in the rally were Mushtaq Ahmed, Addl. SP Poonch, Nawaz Ahmed, DySP HQRS. Munish Sharma, DySP Ops. Poonch, SI Jaswinder Singh. The rally was organized by Sachin Gupta, DYSP DAR Poonch.

Two-way vehicular traffic causing problems in Poonch market



the busses and reach back home.

The administration at some stage realizing the public difficulty, had

banned the vehicular traffic inside the market and had installed sign boards at both ends of this bazaar which still exist but in the

Poetry recitation competition held at GDC Khour



STATE TIMES NEWS

KHOUR: Faculty of languages of GDC Khour organised patriotic poetry recitation competition under Har Ghar Tiranga Campaign commemorating Azadi ka Amrit Mahaotsav (Nation celebrating

75 years of Independence). Large number of students actively participated in the competition and recited Patriotic Poetry with full enthusiasm. Oshin Sharma and Manisha Manhas bagged the first prize, Manat Bhau second, Komal Kumari and Barsha Bhau got third prize. The whole event was organized by Dr Seema Sudan, HOD Hindi and Dr Suraj Prakash HOD Urdu. Dr Seema Sudan conducted the proceedings. Prof. (Dr) T.K. Sharma Principal GDC Khour addressed the students and motivation them to participate in the Nation building wholeheartedly. Dr Deepak Gupta HOD Sociology, Dr Suraj Prakash and Komal Rani were the judges for the event. Vote of thanks was presented by Prof. Dalip HOD Environment.

STATE TIMES NEWS

POONCH: The two way vehicular traffic in the narrow road of Poonch Market with no crossing point in whole of the bazaar, creates an unbreakable jam. People, especially the villagers from far off places including extreme border, visit market for making purchases but get stuck in the overcrowded market, fail to finish marketing, catch

absence of proper checking by the administration, the commuters make blatant violations of the orders and ignore these boards.

The public has thus appealed to the Deputy Commissioner Poonch to issue strict directions to the police to ensure that no vehicle enters Poonch Market or if it becomes unavoidable, the problem can, however be eased with one way traffic.

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ANNEXURE "B"

Syllabus Driller

Annexure "B" to Notification No. 20-PSC(DR-P) of 2022 dated 05.08.2022

Engineering Mechanics: Simple applications of equilibrium equations. Motion in two dimensions, Projectile motion, Simple applications of equations of motion, simple harmonic motion, work energy, power. Friction, center of gravity, moment of inertia.

Mechanics of solids: Stress, strain, Hook's Law, elastic moduli, Bending moments and shearing force diagrams for beams, springs, thin walled cylinders, torsion in shafts, struts and columns, Mechanical properties and material testing.

Theory of Machines: Simple examples of links and mechanics, Kinematic pairs, chain and mechanisms

Velocity and acceleration in mechanisms: Classification of gears, standard gear tooth profiles, Gear Trains, Belts, Ropes, and chain Drives, Governors and Flywheels, Clutches, Classification of bearings. Statics and dynamic balancing. Cam and Followers.

Manufacturing Science: Mechanics of metal cutting, tool life, cutting tool materials. Basic machining processes, types of machine tools, Basic Principles of Machining with Lathe, Milling, Drilling, Shaping, Grinding machines. Methods of metal forming : Rolling, forging, extrusion, wire drawing, tube drawing and powder metallurgy. Metal joining - welding, soldering, brazing. Testing of metals and alloys, hardness, tensile strength, ductility measurements. Different types of casting and welding methods.

Production Management: Method and time study, motion economy and work space design, operation and flow process charts. Product design and cost selection of manufacturing process. Break even analysis, Site selection, plant layout, Materials handling, selection of equipment for job, shop and mass production, Scheduling, dispatching routing.

Thermodynamics: Thermodynamic systems and processes, behavior of ideal and real gases, zeroth and first law of Thermodynamics, Calculation of Heat and work in various processes. Second law of thermodynamics - Air and Gas compressors, Vapor and Gas power cycles. Concepts of Regeneration and Reheat. I.C Engines, Otto, Diesel and Dual cycles. Impulse and Reaction Principles: Steam and Gas Turbines, Heat Transfer : Heat transfer by conduction, Convection and Radiation. One dimensional steady state conduction through walls and cylinders. Heat transfer coefficient, combined heat transfer coefficient, Heat exchangers, Fins. Air Conditioning : Environmental Control Refrigeration cycles, refrigeration equipment- its operation and maintenance, important refrigerants, Psychometrics comfort, cooling and dehumidification.

Fluid Mechanics: Fluid properties; fluid statics, forces on submerged bodies, stability of floating bodies; control-volume analysis of mass, momentum and energy; fluid acceleration; Equations of continuity and momentum; Bernoulli's equation; dimensional analysis; viscous flow of incompressible fluids. Turbulent flow, flow through pipes, head losses in pipes, bends and fittings. Measurement of Flow rate Basic Principles : Venturimeter, Pitot tube, Orifice meter, Hydraulic Turbines : Classifications & Principles. Pumps: Classification & principals

Syllabus

Assistant Mining Engineer

Annexure "C" to Notification No. 20-PSC(DR-P) of 2022 dated 05.08.2022

As directed, the Syllabus framed for the Assistant Mining Engineer post of the department of Geology and Mining is hereby submitted:-

01-Elements of Mining Engineering:-

i) Introduction to Mining Engineering and opening of deposits. ii) Shaft sinking operation and Mechanized methods of shaft sinking & ordinary/water logged ground iii) Development of workings iv) Mine supports v) Tunneling Methods vi) Driving of inclined shafts vii) Method of boring, Boring through disturbed strata

02-Mining Geology:-

Application of Geology in Mining Engineering ii) Economic geology and mineral deposits iii) Occurrences and distribution of Minerals in India iv) Coal, petroleum and natural gas v) Exploration Geology and Mining Geology vi) Mineral Deposits and their classification

03-Mine Mechanizations:-

i) Principles, Generation, Distribution and utilization of compressed air and introduction to Mine Transport Systems ii) Ropes and Ropes haulage Systems iv) Conveyors and Locomotives v) Winding system in Mines vi) Breaking system of Winders and study of layouts for Mine Transportation

04-Mine Surveying:-

i) Introduction to Surveying and Measurements of Distance and Directions ii) Leveling iii) Triangulation and Contouring iv) Computation of Areas and Volumes v) Introduction to Theodolite and Traversing vi) Types of plans, their preparation, care, storage/preserve to

05-Drilling and Blasting Engineering:-

i) Principles of Drilling and Drill Bits ii) Explosives iii) Firing of explosives and Blasting Methods iv) Handling of Explosives v) Mechanics of Blasting and Effects of Vibration

06-Mine Environment and Ventilation Engineering:-

i) Mine Air and Study of Fire Damps ii) Mine climate iii) Air Flow through Mine Openings iv) Natural and Mechanical Ventilation v) Ventilation Survey and Elements of Ventilation Planning vi) Fire fighting, both on surface and below ground vii) ventilation plans

07-Underground Coal Mining:-

i) Introduction to Coal Mining ii) Board and Pillar Mining iii) Longwall Mining iv) Thick Seam Mining v) Special Methods of Mining

ANNEXURE "C"

08-Mineral Economics:-

i) Introduction and Economic importance of Mineral Industry ii) National Mineral Policy iii) Demand and Supply Analysis iv) Mineral Price and Pricing v) Sampling and Estimation of Reserves vi) Mine valuation and Financial Management

09-Rock Mechanics:-

i) Introduction to Rock Mechanics ii) Analysis of Stress and Strain iii) Physico-Mechanical Properties of Rocks iv) In-situ Strength and failure Criteria of rocks

10-Mine Disasters and Rescues:-

i) Mine Fires ii) Spontaneous Heating iii) Disasters iv) Mine Illumination v) Mine Rescue and Recovery

11-Surface Mining:-

i) Introduction ii) Methods of opencast mining iii) Open Pit Layout and Design iv) Drilling and Blasting v) Source of Danger of water in opencast mining vi) Surface Mining Methods and Machinery vii) Mechanized Quarrying with deep hole blasting and HEM viii) Transport Equipment

12-Underground Metal Minings:-

i) Introduction to Metal Mining and Mine Development ii) Stopes and Stoping iii) Stoping Methods iv) Special Methods

13-Mine Safety Engineering:-

i) Introduction ii) Risk Management iii) Statistical methods of Risk analysis iv) Mine Accidents Analysis v) Safety Audits and Training

14-Ground Control:-

i) Design and Stability of structures in Rock ii) Design of Mine Pillars iii) Design of Mine Pillars iv) Subsidence v) Caving of Rock Mass vi) Classification of Rock Masses

15-Occupational Health and General Safety:-

i) Introduction ii) Occupational Health iii) Safety Rules and Regulations and Bye-Laws iv) Accidents v) Accidental Planning

16-Surface Mine Planning and Design:-

i) Introduction ii) Ore reserves estimation and Stripping ratio iii) Geometrical consideration and Pit Planning iv) Production planning, Analysis & design of highwall slopes and waste dumps

17-Mine Legislation and General Safety:-

i) Introduction and the Mines Act 1952 ii) Mines Rules 1955 iii) Metalliferous Mines Regulation 1961 and Coal Mines Regulation 2017 iv) Mines and Minerals (Development and Regulation) Act 1952 and related Rules v) Silicosis and pneumoconiosis in Miners, vi) Mine Dust- sampling and Analysis vii) other miners diseases, their symptoms, prevention and treatment viii) Sanitation and health

18-Computer Application in Mining:-

Computer Aided Design ii) Computer Graphics Software and Database iii) Database Management System

19-Dimensional Stone Mining:-

i) Introduction ii) Mining Dimensional Stones iii) Handling of Blocks and slabs iv) Quarrying machines for dimensional stones

20-Environmental Impact of Mining:-

i) Introduction ii) Air Pollution iii) Water Pollution iv) Noise Pollution v) Land environment/ Land degradation due to Mining vi) Laws related to Mining environment, EIA of mining projects

21-Mining Machinery:-

i) Strength of Materials and Applied Mechanics ii) Machine tools and workshop processes iii) Compressors and compressed air engines iv) Application of electricity in Mines v) Working Principles of Steam generators and steam engines vi) Generation, Transmission and utilization of power