

TNPSA Group 1 Prelims Analysis by www.tnpsc.academy :

Sub	Topics	Where to Study
Science		
P H Y	Mechanics and properties of matter	Std 9 - Liquids
	Physical quantities, standards and units	Std 6 - Measurement and Motion Std 7 - Measurement Std 8 - Measurements Std 9 - Measurements and measuring instruments Std 10 - Measuring instruments
	Force, motion and energy	Std 6 - Types of Energy Std 7 - Motion Std 8 - Force and Pressure Std 9 - Motion Std 9 - Work, power and energy Std 10 - Laws of Motion and Gravitation
	electricity and Magnetism, Electronics	Std 6 - Magnetism Std 7- Electricity Std 8 - Electricity and Heat Std 10 - Electricity and Energy Std 10 - Magnetic effect of electric current and light
	Heat, light and sound	Std 6 - Light Std 7 - Heat and Light Std 8 - Light and Sound Std 9 - Sound Std 9 - Heat and Gas laws
	Nature of Universe - General Scientific laws - Inventions and discoveries - National scientific laboratories	[Read from Lucent's or Arihant's General Studies] [More study materials will be posted in our website later]
	Scientific instruments - Science glossary	[Read from Lucent's or Arihant's General Studies] [More study materials will be posted in our website later]
	Atomic and nuclear physics	Std 8 - Atomic Structure Std 9 - Atomic Structure
	Electronics & communications - Solid State Physics - Spectroscopy - Geophysics - Astronomy and space science.	[Read from Lucent's or Arihant's General Studies]
	C H E	Elements and Compounds
Acids, bases and salts		Std 10 - Chemical Reactions
Fertilizers, pesticides, insecticides		[Read from Lucent's or Arihant's General Studies]
Oxidation and reduction		[covered in Acids, bases and salts topics]
Chemistry of ores and metals		Std 8 - Coal and Petroleum
Carbon, nitrogen and their compounds		Std 9 - Chemical equation Std 10 - Carbon and its compounds

	Biochemistry and biotechnology – Electrochemistry - Polymers and plastics	[Read from Lucent's or Arihant's General Studies]
B O T	Main Concepts of life science	Std 7 – Animals in daily life Std 7 – Plant Morphology Std 8 – Crop production and management Std 10 – Life Processes
	Classification of living organism	Std 6 – Diversity of Organisms Std 7 – Basis of Classification Std 8 – Pictorial feature of Plant Kingdom Std 8 – Microorganisms Std 9 – Animal Kingdom
	Nutrition and dietetics - Respiration	Std 7 – Nutrition in Plants and Animals Std 7 – Respiration in Plants and Animals Std 9 – Structure and physiological functions of plants
	The cell - basic unit of life	Std 6 – Cell Structure Std 9 - Cells
	Excretion of metabolic waste	[covered in zoology general topics]
	Bio-communication	
Z O O	Blood and blood circulation - Reproductive system	Std 9 – Human Body organ system Std 10 – Structure and Functions of Human Body Organ System Std 10 – Reproduction in plants Std 10 – A representative study of mammals
	Environment, ecology, Bio- diversity and its conservation	Std 6 –Our Environment Std 7 – Eco System Std 7 – Water a precious resource Std 8 –Air, Water and Soil Pollution Std 8 – Diversity in Living organisms Std 8 – Conservation of Plants and Animals Std 9 – Bio Geo Chemical cycle Std 9 – Pollution and ozone depletion Std 10 – Conservation of Environment Std 10 – Waste water management
	Health and hygiene, Human diseases, prevention and remedies - Communicable diseases and non- communicable diseases	Std 6 – Food Habits Std 7 – Human body form and function Std 8 - Reaching the age of Adolescence Std 9 – Improvement in food resources Std 10 – Immune system
	<i>Animal, Plant and Human Life</i>	Std 6 – The World of Plants
	Endocrine system	[covered in zoology topics above]
	Genetics the science of heredity	Std 10 – Hereditary and Evolution
	Alcoholism and drug abuse	Std 9 – Addiction and Healthy lifestyle
Current Affairs		
H I S	Latest diary of events – National - National symbols - Profile of States - Eminent persons & places in news-Sports & games - Books & authors -Awards & honours- India and its neighbours	
	Latest historical events - Appointments - who is who?	

	Defence, national security and terrorism - World organizations - pacts and summits - Cultural panorama - Latest terminology	
P O L I T I C I	Problems in conduct of public elections - Political parties and political system in India- Public awareness & General administration - Welfare oriented govt. schemes, their utility	<p>Read Current Affairs directly from http://tnpsc.academy/Current_Affairs_Section http://tnpsc.academy/current-affairs/ – tnpsc.Academy doesn't lists the important news alone, rather you will get an overall view of the relevant issues with it's backgrounds and needed facts (which you cannot find in any newspaper or magazine or other listed current affairs sites). This will make you to answer any current affairs questions in tnpsc exams. tnpsc.Academy also provides exam oriented current affairs compilation.</p>
	Role of Voluntary organizations & Govt.	
	India's foreign policy - Latest court verdicts – public opinion	
G E O	Geographical landmarks	
	Policy on environment and ecology	
E C O	Current socio-economic problems	
	New economic policy & govt. sector	
S C I	Latest inventions on science & technology	
	Latest discoveries in Health Science - Mass media & communication	
G E O G R A P H Y	Earth and Universe - Solar system	
	Monsoon, rainfall, weather and climate	Std 7 – Weather and Climate Std 9 – Climate of Tamil Nadu Std 10 – India Climate
	Water resources - rivers in India	[More study materials will be posted in our website later]
	Soil, minerals & natural resources	Std 7 – The Surface of Earth and changing face of Earth Std 8 – Resources and their types Std 8 – Resources and Economic activities Std 8 – Types of Primary Activities; Mining Std 8 – Industries; Types of Industries Std 9 – Resources of Tamil Nadu Std 9 – Tamil Nadu Manufacturing Industries Std 10 – India Natural Resources Std 10 – India Industries
	Forest & wildlife	Std 9 – Environmental Issues Std 9 – Conservation of Resources and Sustainable Development Std 10 – Environmental Issues
	Agricultural pattern, livestock & fisheries	Std 8 – Agriculture; Crops Std 9 – Tamil Nadu Agriculture Std 10 – India Agriculture
	Population - density and distribution	Std 8 – Population Growth and Distribution; Population and Resources Std 9 – Tamil Nadu Population
	Natural calamities – disaster management	Std 7 – Disaster and Disaster Management

		Std 8 – Responding to Disasters Std 9 – Disaster Management Std 10 – Disaster Risk Reduction
	Transport including surface transport and communication- Social Geography	Std 8 – Trade Std 8 – Transport and Communication Std 9 – Tamil Nadu Transport and Communications Std 9 – Tamil Nadu Trade Std 10 – India Trade Transport and Communications
	Atmosphere hydrosphere, lithosphere	Std 7 – An Introduction to Oceanography
	Natural vegetation	[More study materials will be posted in our website later]
	Climate change - impact and consequences - mitigation measures-Pollution Control	[More study materials will be posted in our website later]
HIS & CUL of IND	Indus Valley Civilization	Std 6 – Indus Valley Civilization Std 9 – Ancient Civilizations
	Guptas	Std 6 – India After Mauryas Std 11 – Post Mauryan Empire Std 11 – Gupta Empire
	Delhi Sultans	Std 7 – The Kingdoms of the Deccan Std 7 – Arab and Turkish invasion Std 7 – Sultanate of Delhi Std 9 – Medieval Age Std 11 – Early Medieval India Std 11 – Delhi Sultanate Std 11 – India under the Delhi Sultanate
	Mughals and Marathas	Std 8 – The Great Mughals Std 8 – Rise of the Marathas Std 11 – The Mughal Empire Std 11 – India under the Mughals Std 11 – The Marathas
	Age of Vijayanagaram and the bahmanis	Std 7 – The Vijayanagar and Bhamani Kingdoms Std 11 – The Vijayanagar and Bhamani Kingdoms
	South Indian history - Culture and Heritage of Tamil people	Std 7 – The South Indian Kingdoms Std 8 – The Nayak Rule in Tamil Country Std 8 – The Rule of Marathas of Thanjavur Std 9 – Cultural Heritage of Tamil Nadu Std 11 – South Indian Kingdom – I Pallavas Std 11 – South Indian Kingdom – II Chalukyias and Rashtrakutas Std 11 – Imperial Cholas Std 11 – The Spread of Indian Culture in Other Asian Countries
	India since independence	Std 12 – India After Independence
	Characteristics of Indian culture - Unity in diversity – race, colour, language, custom - India-as secular state	Std 7 – Bakthi and Sufi movements Std 11 – Bakthi Movement in Medieval India
	Growth of rationalist, Dravidian movement in TN - Political parties and populist schemes	Std 12 – Role of Tamil Nadu in the Indian National Movement Std 12 – The Justice Party Rule
Advent of European invasion- Expansion and consolidation of British rule	Std 8 – Advent of the Europeans Std 8 – Anglo French Struggle (Carnatic Wars) Std 11 – The Coming of Europeans	

	Effect of British rule on socio- economic factors	Std 8 – Rule of English East India Company Std 8 – Lord Cornwallis Std 8 – Marquess of Hastings Std 8 – Lord William Bentick Std 8 – Lord Dalhousie Std 12 – India under the English East India Company Std 12 – Revenue Administration and Economic Policy of the British
	Social reforms and religious movements	Std 10 – Social and Religious Reform Movements in 19 th Cen. Std 10 – Social Transformation in Tamil Nadu Std 12 – Educational and Social Reforms
	Organizations for fine arts, dance, drama, music- Prominent personalities in the various spheres – Arts, Science, literature and Philosophy – Mother Teresa, Swami Vivekananda, Pandit Ravishankar, M.S.Subbulakshmi, Rukmani Arundel and J.Krishnamoorthy etc.	[General Topics – Some overall view is enough]
	Pre-historic events	Std 6 – Pre Historic Period Std 11 – Pre Historic India and Harappan Culture
	Vedic, Aryan and Sangam age	Std 6 – Ancient Tamil Nadu Std 6 – The Vedic Period Std 11 – The Vedic Culture Std 11 – Sangam Age
	Maurya dynasty	Std 6 – The Raise of Kingdoms Std 7 – The North Indian Kingdoms – The Rajputs Std 11 – The Raise of Magadha and Alexander’s Invasion Std 11 – Mauryan Empire
	Buddhism and Jainism	Std 6 – Jainism and Buddhism Std 9 – Intellectual awakening of 6 th Century BC Std 11 – Jainism and Buddhism
IND P O L I T Y	Constitution of India - Preamble to the constitution - Salient features of constitution - Union, State and territory - <i>Citizenship – rights amend duties</i> Fundamental rights - Fundamental duties - Human rights charter - Union legislature – Parliament - State executive - State Legislature assembly - Local government – panchayat raj – Tamil Nadu - Judiciary in India – Rule of law/Due process of law - Elections - <i>Official Language and Schedule VIII</i> Corruption in public life - Anti-corruption measures – Central Vigilance Commission, lok-adalats, Ombudsman, Comptroller and Auditor General of India - Right to information - Empowerment of women - <i>Consumer Protection Forms</i>	Std 7 – Our Nation Std 7 – Indian Constitution Std 9 – The Union Government Std 9 – The State Government Std 9 – Rights and Duties of Citizens Std 10 – Consumer Rights Std 12 – Indian Government and Politics Std 12 – Organisation of State Government – Tamil Nadu Std 12 – Local Self Government in Tamil Nadu [The above topics cover only some syllabus. It is important to read other topics from either Lucent or Arihant’s General Studies Or Indian Polity by Laxmikanth]

	<p>Status of Jammu & Kashmir - Indian federalism – center – state relations- Emergency provisions - Election Commission Union and State - Amendments to constitution - Schedules to constitution - Administrative reforms & tribunals- Central and State Commission</p> <p>Civil services in India - Administrative challenges in a welfare state - Complexities of district administration - Voluntary organizations and public grievances redressal</p>	
IND E C O N O M Y	Nature of Indian economy	Std 6 – Economics An Introduction Std 10 – Indian Economy after Independence Std 9 – Indian Currency
	Five-year plan models - an assessment	Std 11 – Economic Planning [more study materials will be posted in our website later]
	Land reforms & agriculture - Application of science in agriculture	Std 11 – Agriculture
	Industrial growth	Std 11 – Industrial Sector
	Rural welfare oriented programmes - Social sector problems – population, education, health, employment, poverty	Std 8 – Socio Economic Problems Std 11 – Population Std 11 – Poverty and Unemployment
	Economic trends in Tamil Nadu	[More study materials will be posted in our website later]
	Role of public sector & disinvestment - Development of infrastructure	[More study materials will be posted in our website later]
	National income - HRD – sustainable economic growth - Energy Different sources and development	Std 7 – Tax and its Importance Std 10 – National Income Std 11 – Economic Growth and Development Std 11 – National Income Std 11 – Human Resource Development
	Finance Commission - Planning Commission - National Development Council	[more study materials will be posted in our website later]
	Capital formation and investment - Public finance & fiscal policy - Price policy & public distribution	Std 7 – Factors of Production Std 9 – Equilibrium Price Std 9 – Demand and Supply Std 12 – Fiscal Policy
Banking, money & monetary policy	Std 8 – Money savings and Investment Std 11 – Banking Std 12 – Monetary Policy	
Role of Foreign Direct Investment (FDI) - WTO - globalization & privatization	Std 11 – Foreign Trade [more study materials will be posted in our website later]	
IND N A T I O N	National Renaissance - Emergence of national leaders - Gandhi, Nehru, Tagore, Different modes of agitations	Std 10 – Freedom Movement in India – Phase I Std 12 – Indian National Movement (1885-1905) Std 12 – Indian National Movement (1905 – 1916)
	Role of Tamil Nadu in freedom struggle - Rajaji, VOC, Periyar, Bharathiar& Others	Std 8 – Vellore Mutiny (1806) Std 10 – Role of Tamil Nadu in Freedom Movement Std 12 – Palayakkara Rebellion Std 12 – Vellore Mutiny Std 12 – Role of Tamil Nadu in Indian National Movement

A L M O V.	Early uprising against British rule - 1857 Revolt	Std 8 – The Great Revolt of 1857 Std 10 – Great Revolt of 1857 Std 12 – The Great Revolt of 1857
	Indian National Congress - Gandhi, Nehru, Tagore, Netaji - Growth of militant movements - Communalism led to partition - Birth of political parties /political system	Std 10 – Freedom Movement in India – Phase II Std 12 – The Indian National Movements (1917-947)
	India since independence	Std 12 – India After Independence
	Era of different Acts & Pacts - World war & final phase struggle	Std 12 - Constitutional Development
A P P S	Conversion of information to data - Collection, compilation and presentation of data - Tables, graphs, diagrams- Analytical interpretation of data - Simplification - Percentage - Highest Common Factor (HCF) - Lowest Common Multiple (LCM) - Ratio and Proportion - Simple interest - Compound interest - Time and Work	<p>Prepare for Apps and Mental Ability directly from our website www.tnpsc.academy/aptitude</p> <p>Don't READ more no. of Apps, rather PRACTICE needed limited Apps and Reasoning from our site. Each topic is covered based on TNPSC exam point of view so as to make you to prepare for all TNPSC Exams such as Group 1, Group 2, Group 2A, Group 3, Group 4, VAO and Others. You will get example questions and also practice questions so as to make you to get familiar. We highly recommend to go through all our Apps and Logical topics so as to get top rank in TNPSC Exams.</p>
	Area-Volume- Decision making and problem solving	
	Parametric representation of data-Basic terms, Communications in information technology - Application of Information and Communication Technology (ICT)-Behavioural ability	
MENTAL ABILITY	Puzzles –Visual Reasoning- Number Series - Dice – Alpha numeric reasoning	
	Logical Number/ Alphabetical/ Diagrammatic Sequences	

Do well the Exam and Leave the rest with TNPSC. Let the Results speaks about You.

All The Best...!

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To read Current Affairs in Tamil & English visit : <http://tnpsc.academy/current-affairs>