



TNPSC GROUP 1 PRELIMINARY SYLLABUS AND SUGGESTED READING

GENERAL SCIENCE

PHYSICS:

Universe - General Scientific laws - Scientific instruments - Inventions and discoveries-National scientific laboratories-Science glossary-Mechanics and properties of matter-Physical quantities, standards and units-Force, motion and energy- electricity and Magnetism - electronics & communications - Heat, light and sound-Atomic and nuclear physics-Solid State Physics-Spectroscopy - Geophysics - Astronomy and space science.

Suggested Readings:

- ✓ 6 to 10 School books (6th & 9th New Books)
- ✓ Physics portion in Arihant or Lucent GK Book
- ✓ 12th Std Physics Unit no 6 and 8 refer Basic topics only
- ✓ 11th New Book Physics related to Syllabus
- ✓ You can use any one general knowledge/ Lucent general Knowledge/Arihant/ Tata Mgraw Hill general Studies manual

CHEMISTRY: Elements and Compounds-Acids, bases and salts - Oxidation and reduction - Chemistry of ores and metals -Carbon, nitrogen and their compounds-Fertilizers, pesticides, insecticides-Biochemistry and biotechnology-Electrochemistry-Polymers and plastics

Suggested Readings:

- ✓ 6 to 10 School books (6th & 9th New Books)
- ✓ Chemistry portion in Arihant or Lucent GK Book
- ✓ 11th Std Chemistry 8 (Study Nitrogen Related only) and 17 and 18 units (old Book)
- ✓ 12th Std Chemistry 21 and 22 units alone



- ✓ You can use any one general knowledge/ Lucent general Knowledge/Arihant/ Tata Mgraw Hill general Studies manual

BOTANY: Main Concepts of life science-The cell-basic unit of life-Classification of living organism-Nutrition and dietetics-Respiration-Excretion of metabolic waste-Bio-communication

Suggested Readings:

- ✓ 6 to 10 School books
- ✓ 12th Botany unit no 3,4,6 alone
- ✓ 11th Botany new book 1,2,3,5 Chapters alone
- ✓ You can use any one general knowledge/ Lucent general Knowledge/Arihant/ Tata Mgraw Hill general Studies manual

ZOOLOGY: Blood and blood circulation-Endocrine system-Reproductive system-Genetics the science of heredity-Environment, ecology, health and hygiene, Bio- diversity and its conservation-Human diseases, prevention and remedies-Communicable diseases and non-communicable diseases-Alcoholism and drug abuse-Animals, plants and human life.

Suggested Readings:

- ✓ 6 to 10 School books
- ✓ Zoology portion in Arihant or Lucent GK Book
- ✓ 11th new book full (volume 1 & 2)
- ✓ 12thstd 1,4,5,6 units only.
- ✓ You can use any one general knowledge/ Lucent general Knowledge/Arihant/ Tata Mgraw Hill general Studies manual



UNIT – II: CURRENT EVENTS

History - Latest diary of events – National - National symbols -Profile of States-Defence, national security and terrorism-World organizations-pacts and summits-Eminent persons & places in news-Sports & games-Books & authors -Awards & honours-Cultural panorama-Latest historical events- India and its neighbours- Latest terminology- Appointments-who is who?

Political Science- India's foreign policy - Latest court verdicts – public opinion - Problems in conduct of public elections- Political parties and political system in India- Public awareness & General administration-Role of Voluntary organizations & Govt.,- Welfare oriented govt. schemes, their utility

Geography - Geographical landmarks-Policy on environment and ecology

Economics- Current socio-economic problems-New economic policy & govt. sector

Science - Latest inventions on science & technology - Latest discoveries in Health Science - Mass media & communication

Suggested Reading

- ✓ The Hindu News paper
- ✓ www.gktoday.com jagranrosh.com/
www.iyachamy.com (before 10 days of Examination we will update in website)
- ✓ News paper is the best source for Current Affairs
- ✓ Last 10 month current Affairs is enough

UNIT – III: GEOGRAPHY

Earth and Universe - Solar system - Atmosphere hydrosphere, lithosphere -Monsoon, rainfall, weather and climate - Water resources - rivers in India - Soil, minerals & natural resources-Natural vegetation-Forest & wildlife-Agricultural pattern, livestock & fisheries-Transport & communication-Social geography –



population-density and distribution-Natural calamities – disaster management-Climate change - impact and consequences - mitigation measures-Pollution Control.

Suggested Readings:

- ✓ 6th to 10th Geography
- ✓ 6 to 10th School book
- ✓ 11th Geography new book (Really good)
- ✓ Geography portion in Arihant or Lucent GK Book
- ✓ For Tamilnadu Related Geography 9th Samacheer

UNIT – IV: HISTORY AND CULTURE OF INDIA

Pre- historic events -Indus valley civilization-Vedic, Aryan and Sangam age-Maurya dynasty-Buddhism and Jainism- Guptas, Delhi Sultans, Mughals and Marathas-Age of Vijayanagaram and the bahmanis-South Indian history-Culture and Heritage of Tamil people-Advent of European invasion-Expansion and consolidation of British rule-Effect of British rule on socioeconomic factors-Social reforms and religious movements-India since independence- Characteristics of Indian culture-Unity in diversity –race, colour, language, custom- India-as secular state-Organizations for fine arts, dance, drama, music-Growth of rationalist, Dravidian movement in TN-Political parties and populist schemes – 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.

Suggested Readings:

- ✓ 6th to 10th Social Science (in 9th History part study only Tamilnadu Culture and heritage)
- ✓ 11th and 12th history book
- ✓ 12th Indian Culture
- ✓ For Leaders, like Rukmani Arundel, Jiddu Krishnamoorthy Refer Internet



- ✓ Modern Tamilnadu History Dr, K, Venkatesan or
Tamilnadu History Dr Darmaraj

UNIT – V: INDIAN POLITY

Constitution of India - Preamble to the constitution - Salient features of constitution - Union, State and territory - Citizenship-rights amend duties - Fundamental rights - Fundamental duties - Human rights charter - Union legislature – Parliament - State executive - State Legislature – assembly - Status of Jammu & Kashmir - Local government – panchayat raj – Tamil Nadu - Judiciary in India – Rule of law/Due process of law - Indian federalism – center – state relations - Emergency provisions - Civil services in India - Administrative challenges in a welfare state - Complexities of district administration - Elections - Election Commission Union and State - Official language and Schedule-VIII - Amendments to constitution - Schedules to constitution - Administrative reforms & tribunals- Corruption in public life - Anticorruption measures – Central Vigilance Commission, lok-adalats, Ombudsman, Comptroller and Auditor General of India. - Right to information - Central and State Commission - Empowerment of women- Voluntary organizations and public grievances redressal - Consumer protection forms.

Suggested Readings:

- ✓ Indian Polity K.Lakshmikandh/lucent/arihant
- ✓ 6th to 10 School book civic portion (6th,9th new Book)
- ✓ 12th political Science book
- ✓ Arihant or Lucent GK book polity portion
- ✓ Old Question Bank Also

UNIT – VI: INDIAN ECONOMY

Nature of Indian economy - Five-year plan models an assessment - Land reforms & agriculture - Application of science in agriculture - Industrial growth - Capital formation and investment-Role of public sector & disinvestment-Development of infrastructure- National income - Public finance & fiscal policy - Price policy & public



distribution- Banking, money & monetary policy - Role of Foreign Direct Investment (FDI) - WTO-globalization & privatization - Rural welfare oriented programmes - Social sector problems – population, education, health, employment, poverty - HRD – sustainable economic growth- Economic trends in Tamil Nadu - Energy Different sources and development - Finance Commission - Planning Commission - National Development Council

Suggested Readings:

- ✓ 11th Economy book new
- ✓ 12th Economy read last two chapter only
- ✓ Pratiyogita Darban Economy special Edition .
- ✓ Arihant / Lucent General Knowledge Book

UNIT – VII: INDIAN NATIONAL MOVEMENT

National renaissance- Early uprising against British rule-1857 Revolt- Indian National Congress - Emergence of national leaders- Gandhi, Nehru, Tagore, Netaji -Growth of militant movements -Different modes of agitations-Era of different Acts & Pacts-World war & final phase struggle - Communalism led to partition- Role of Tamil Nadu in freedom struggle - Rajaji, VOC, Periyar, Bharathiar & Others - Birth of political parties /political system in India since independence

Suggested Readings:

- ✓ 12th History book
- ✓ Struggle for independence Dr.K venkatasen

UNIT – VIII: APTITUDE & MENTAL ABILITY

Conversion of information to data - Collection, compilation and presentation of data - Tables, graphs, diagrams- Parametric representation of data-Analytical interpretation of data -Simplification- Percentage-Highest Common Factor (HCF)-Lowest Common Multiple (LCM)-Ratio and Proportion-Simple interest-Compound interest-Area-Volume-Time and Work- Behavioral ability - Basic terms, Communications in information technology - Application of Information and Communication Technology (ICT) - Decision making



and problem solving Logical Reasoning Puzzles – Dice - Visual Reasoning- Alpha numeric Reasoning- Number Series - Logical Number/Alphabetical/Diagrammatic Sequences.

Suggested Readings:

- ✓ Quantitative Aptitude R.S Agarwall with previous year Question practice

Important updates

- For Some Subjects Like Struggle for Independence, polity , Geography you can prepare simultaneously for mains examination also.
- If you want to prepare science for mains you refer old science book 2004 edition
- Before start studying you see and analyze previous year question paper of Civil Services preliminary.
- Give more Attention to Current Affairs

Question Distribution

150 questions General Studies, 50 questions on Mental Ability. Each Question Carries 1.5 Marks.

Question Analysis of Previous Group 1 preliminary Exam 2014 & 2015

Subject	Question 2017	Question 2016
General Science	32	34
Polity	22	26
Geography	11	20
Economy	16	19
Mental ability/ Aptitude	50	48
Current Affairs / GK	41	27
History/Culture/ Tamilnadu	28	26
Total	200	200