



## **TNPSC GROUP - II SERVICES**

### **COMBINED CIVIL SERVICES (MAIN) EXAMINATION - II**

#### **SCHEME OF THE EXAM AND SYLLABUS**

#### **General Studies (Degree Standard) [300 marks]**

UNIT	SUBJECT	MARKS
Unit I	Modern History of India with specific reference to Tamil Nadu	40 marks
Unit II	Tamil Society - Culture and Heritage	30 marks
Unit III	Social Issues in India with specific reference to Tamil Nadu	50 marks
Unit IV	Science and Technology in Development	40 marks
Unit V	Constitution, Polity and Governance in India with specific reference to Tamil Nadu	60 marks
Unit VI	Geography of India, Environment, Biodiversity and Disaster Management in India with specific reference to Tamil Nadu	40 marks
Unit VII	Indian Economy with specific reference to Tamil Nadu	40 marks

## SCHEME OF THE EXAMINATION

**Total Marks: 300.**

**Time: 3 Hours**

### **PART-A - 10 Mark Questions**

**Answer all the questions**

Unit in the Syllabus	No. of Questions	Marks (10 marks)	Each answer in words
Unit -I	1	9×10=90 Marks	100 words (9×100=900 words )
Unit -III	2		
Unit -IV	1		
Unit - V	3		
Unit -VI	1		
Unit - VII	1		
Total	9	90 Marks	900 words

### **PART-B - 10 Mark Questions**

**Answer any Three questions out of Five Questions**

**(Candidates may answer the questions in this unit either in Tamil OR in English)**

Unit in the Syllabus	No. of Questions	No. of Questions to be answered	Marks (10 marks)	Each answer in words
Unit - II	5	3	3×10=30 Marks	100 words
Total	5	3	30 Marks	300 words

### PART-C - 15 Mark Questions

In Each Section answer any two questions out of three questions.

Unit in the Syllabus	Section	Total No. of Questions	No. of Questions to be answered	Marks ( 15 Marks)	Each answer in words
Unit – I	Sec. A	3	2	2×15 =30	200 words (12×200=2400 words)
Unit – III	Sec. B	3	2	2×15 =30	
Unit -IV	Sec. C	3	2	2×15=30	
Unit -V	Sec. D	3	2	2×15=30	
Unit VI	Sec. E	3	2	2×15=30	
Unit -VII	Sec. F	3	2	2×15=30	
Total		18	12	180 Marks	2400 words

#### Unit I: Modern History of India with specific reference to Tamil Nadu (40 marks)

##### Advent of Europeans:

- Portuguese
- Dutch
- English
- Danish
- French

##### Expansion of British rule:

- Carnatic Wars

##### Early uprisings against British Rule:

- Revolt of Poligars
- South Indian Rebellion
- Vellore Mutiny

##### Early stage of Freedom movement in Tamil Nadu

- First voice for freedom struggle from Tamil Nadu
- Pulithevar
- Veerapandya Kattabomman

- Dheeran Chinnamalai
- Velunachiar
- Kuyili and others

### **Impact of British Rule:**

- Christian Missionaries,
- Development of
  1. Education
  2. Judiciary
  3. Local Self Governance System
  4. Police
  5. Transport and Communication

### **Disappearance of Indigenous Industries**

### **Spread of Western Culture Socio- Religious Movements**

### **Types of freedom struggle**

- Sacrifices
- Magazines
- Literature
- Plays/Drama
- Songs
- Films etc.

### **Indian National Movements –**

- Moderates
- Extremists
- Terrorist Movements
- Gandhian Era

### **Role of Tamil Nadu in freedom struggle**

- V.O.Chidambaram
- Bharathiyar
- V.V. Subramanian
- Vanchinathan
- Subramania Siva
- T.S.S Rajan

- Rajaji
- Sathyamoorthy
- Kamaraj

### **Contribution of women in the freedom struggle and social work:**

- Rukmani Lakshmi Pathi
- Ambujammal
- Dr Muthulakshmi Ammaiyar
- Muvalur Ramamirtham
- Cuddalore Anjalai Ammal
- Thillaiyadi Valliammai and others

### **Origin and Growth of “Social -Justice” ideology**

Political Parties and Achievements

### **Unit II: Tamil Society - Culture and Heritage (30 marks)**

#### **Ancient Tamil Society**

#### **Archeological excavation evidence**

- Arikamedu
- Adichanallur
- Keezhadi

#### **Sangam Literature**

#### **Classical Tamil – Thirukkural**

Guidelines in the field of

- Human elevation
- Administration
- Judiciary
- Day to day life
- Philosophical thoughts for betterment and integration of the whole of humanity

#### **Sociopolitical movements of 19th and 20th centuries**

- Vallalar's Samarasa Sutha Sanmarga Satya Sangam

**Origin and development of Justice Party**

**Impact of Rationalism Movement**

**Self-Respect Movement**

**History and Development of Dravidian Movement**

**Tani Tamil Iyakkam (Pure Tamil Movement)**

**Tamil Society Reforms personalities**

- Thanthai Periyar
- Arignar Anna and other scholars

**Arts - Cultural conventions of Tamilians**

**Ancient cultural knowledge of Tamilians**

**Conventional thoughts of Tamilians**

**Cultural Elements: Tamil Nadu State Government Symbols**

**Experts in Cultural Fields**

**Folk Dances**

**Folk Music**

**Folk Drama**

**World Tamil Conferences**

**Unit III: Social Issues in India with specific reference to Tamil Nadu (50 marks)**

**Population Explosion:**

- Fertility
- Mortality
- Migration
- Morbidity
- Census 2011
- Population control programmes

- National Population Policy 2000
- Family planning and its achievements

### **Health Care:**

- Poor sanitation
- Rural and Urban disparities
- Poor infrastructure
- Insufficient health care delivery
- Role of Panchayat Raj and Urban Development Agencies
- Health policy in India
- Health care programmes in India

### **Child**

- Child Labour
- Child Abuse
- Child Education
- School Dropouts
- Gender disparities
- Initiatives to eliminate Child Labour in India
- Media and enhanced vulnerability
- Laws to protect child abuse
- Welfare schemes

### **Women Empowerment:**

- Domestic violence
- Dowry problems
- Sexual assault
- Eve teasing
- Kidnapping
- Laws
- Awareness programmes
- Role of Government and NGOs in women empowerment
- Welfare schemes

### **Marginalized Groups:**

- Problems
- Scheduled Castes

- Scheduled Tribes
- Elderly
- People with disability
- Transgender
- Religious minorities
- Central welfare programmes
- State welfare programmes

### **Social Changes**

- Urbanization
- Modernization
- Globalization
- Policy, Planning and Programmes in India

### **Impact of Violence on Society**

- Religious Violence
- Terrorism and
- Communal Violence
- Causes and Remedies
- Current Affairs

## **Unit IV: Science and Technology in Development (40 marks)**

### **Atomic and Nuclear Physics:**

- Applications of nuclear energy

### **Diodes and Transistors and their Applications**

### **Broadcasting Technology**

### **Electrochemical cells**

### **Types of electrodes**

### **Batteries**

- Lithium-ion Battery



**Fuels:**

- Gaseous fuels
- LPG
- Natural gas
- Water gas

**Polymers:**

- Thermoplastics
- Thermosetting plastics
- PVC
- PET
- Nylon 66
- Teflon

**Medicinal Chemistry:**

- Analgesics
- Paracetamol
- Aspirin
- Antibiotics
- Penicillin
- Chloromycetin

**Biotechnology:**

- Applications of Biotechnology
- Concepts
- Transgenic plants
- Edible vaccines
- Terminator Gene technology
- Plant Genetic Engineering
- BT Cotton
- Golden rice
- Flavr Savr tomato
- Social and ecological impact of genetically modified crops
- Biotechnological methods for crop improvement

**Cell Biology:**

- Animal cell culture techniques
- Stem cells and its applications

## **Genetics**

- Recombinant DNA Technology
- DNA cloning
- DNA fingerprinting

## **Disease Diagnosis:**

- Applications of PCR and ELISA in disease diagnosis
- Hybridoma techniques in the production of Mono Clonal Antibodies (MCA)

## **Advanced reproductive techniques:**

- In-Vitro Fertilisation (IVF)
- Intra-Uterine Insemination (IUI)
- Intra Cytoplasmic Sperm Injection (ICSI)
- Gamete Intra-Fallopian Transfer (GIFT)
- Cryopreservation of sperm

## **Application of plant tissue culture in Forestry**

## **Horticulture**

## **Applications of GIS**

## **Nanotechnology**

- Fundamentals
- Applications
- Nano Fertilizer
- Nano Pesticides
- Green Nanotechnology
- Nano-farming

## **Computer Science**

- Components of Computer
- Computer Organization and Architecture
- System Software and Application Software
- Data Communication Networks
- Computer Graphics and Multimedia
- Mobile Computing and Communication
- Web Technology and applications

- E-Commerce

### **Latest Developments**

- Cryptography
- Robotics and Applications
- Cloud Computing Architecture
- IOT
- Artificial Intelligence Applications
- Machine learning
- Cyber Security
- Biometrics
- Block chain Technology

### **Current Affairs**

**Unit V: Constitution, Polity and Governance in India with specific reference to Tamil Nadu (60 marks)**

### **Constitution of India**

### **Philosophical features**

### **Salient features**

### **Sources**

### **Preamble**

### **Union, States and Union Territories**

### **Citizenship**

### **Fundamental Rights**

### **Fundamental Duties**

### **Directive Principles of State Policy**

### **Union Executive:**

- President

- Vice-President
- Prime Minister
- Council of Ministers
- Cabinet

### **Parliament**

- Lok Sabha
- Rajya Sabha
- Parliament Committees
- Major Constitutional Amendments

### **State Government:**

- Chief Minister
- Council of Ministers

### **Tamil Nadu Legislative Assembly:**

- Structure
- Powers and Functions

### **Local Governments:**

- Three-tier system
- 73<sup>rd</sup> Constitutional Amendments
- 74<sup>th</sup> Constitutional Amendments
- Tamil Nadu Panchayat Act 1994
- Grama Sabha
- Working of PRIs in Tamil Nadu
- District Collector's role in Development Administration

### **Dynamics of Indian Federalism:**

- Centre-State relations:
- Administrative
- Legislative
- Financial
- Issues and Challenges

### **Judiciary in India:**

- Supreme Court
- High Courts
- District Courts

- Subordinate Courts (Structure and Functions)
- Judicial Review
- Judicial Activism
- Public Interest Litigation

## **Electoral System in India**

- Election Commission
  1. Constitutional Provisions
  2. Composition
  3. Powers and functions

## **Party system in India and Tamil Nadu:**

- Regional political parties
- National political parties

## **Integrity in Indian Polity:**

- Corruption in Politics
- Anti-Corruption measures
  1. Lokpal
  2. Lok Ayukta
- Central Vigilance Commission
- Comptroller and Auditor General of India
- Central Bureau of Investigation
- Enforcement Directorate
- Right to Information
- Right to Services
- Social Audit
- Citizen's Charter

## **Consumer Welfare:**

- Consumers' Rights
- Consumer Protection Act 2019

## **Human Rights**

- Human Rights Act, 1993
  1. National Human Rights Commission
  2. State Human Rights Commission

## **Welfare Schemes of Tamil Nadu after 1947**

- Impact of welfare schemes
- Measures in the socio-economic development in TN

## **Policy:**

- Reservation policy in Tamil Nadu
- Language policy in Tamil Nadu

## **Administrative Structure**

- Education and Health Administrative Structure in Tamil Nadu

## **Achievements**

- Achievements of Tamil Nadu in various fields:
- Education
- Health
- Industrial
- Information Technology
- Agriculture
- Women and
- Marginalized Groups

## **E-governance initiatives in Tamilnadu:**

- Mobile Governance
- TNeGA
- EService Centre
- Public Service Delivery
- Problems in Public Service delivery

## **Current Affairs**

**Unit VI: Geography of India, Environment, Biodiversity and Disaster Management in India with specific reference to Tamil Nadu (40 marks)**

## **Geography:**

- Geographical Location
- Physical units
- River system
- Climate
- Soil

- Natural vegetation
- Agriculture crops
- Livestock
- Fisheries
- Irrigation
- Multipurpose Projects

### **Minerals**

- Iron ore
- Manganese
- Copper
- Bauxite
- Gold
- Silver
- Mica
- Coal
- Petroleum
- Natural Gas

### **Energy Resources:**

- Hydel
- Thermal
- Nuclear
- Wind
- Tidal
- Solar

### **Industries**

- Textile
- Jute
- Sugar
- Cement
- Iron
- Steel
- Automobile
- Shipbuilding



**Transport:**

- Road
- Railway
- Water
- Air

**Environmental issues**

- Global environmental issues
- National environmental issues

**Pollution**

- Air
- Water
- Soil
- Thermal
- Radioactive
- Noise
- Electronic
- Solid wastes

**Waste Management:**

- Municipal solid wastes
- Bio-medical wastes

**Biodiversity and Conservation:**

- Definition
- Types
  1. Genetic
  2. Species
  3. Eco-system diversity
- Values
- Threats to biodiversity
- Habitat destruction
- Invasive species
- Anthropogenic activities

**Biodiversity conservation:**

- In-situ and Ex-situ
- Strategies



## **Climate Change:**

- Paris Agreement
- COP28
- Climatic change and wildfire
- Global warming
- Climate change governance
- Mitigations and adaptations
- National action plan for climate change

## **Biodiversity hotspots of India**

## **Causes and consequences of species extinction**

## **International environmental governance:**

- Biodiversity Act (BDA)
- International Union for Conservation of Nature (IUCN)
- Convention on International Trade in Endangered Species (CITES)
- World Wide Fund for Nature (WWF)

## **Sustainable development**

- Goals and targets
- Clean and Green energy

## **Disaster Management:**

- Overview of disasters
- Definitions
- Types
- Introduction to disaster risk management framework
- Natural calamities
- Anthropogenic disasters
- Industrial accidents
- Role of space technology in disaster management

## **Disaster Management in Tamilnadu:**

- Tamil Nadu State Disaster Management Authority
- Tamil Nadu Disaster Management Plan
- Role of NGO and Civil society organization in disaster management

- Mitigation in Tamil Nadu

## **Current Affairs**

### **Unit VII: Indian Economy with specific reference to Tamil Nadu (40 marks)**

#### **Indian Economy:**

- Nature
- Assessment
- Structure

#### **New Economic Policy:**

- Rationale
- Components
- Privatization
- Deregulation
- Trade Liberalization
- Indian Economy since 1991 Reforms (Overview only)

#### **Revenue and Expenditure:**

- Sources of Revenue
- Revenue Receipts
- Capital Receipts
- Revenue Expenditure
- Capital Expenditure

#### **Reserve Bank of India:**

- Functions

#### **Monetary Policy**

- Components

#### **Fiscal Policy:**

- Fiscal reforms
- Fiscal Responsibility and Budgetary Management (FRBM) Act

#### **Finance Commission:**

- Recommendations of recent Finance Commission

## **Revenue sharing between Union and State Governments**

### **Agriculture:**

- Agricultural and Rural Development
- Land Reforms
- Rural Credit
- Modern Farming Technics
- Marketing
- e-NAM (electronic - National Agricultural Marketing)
- Price Policy
- M.S. Swaminathan Commission's Recommendations
- Subsidies
- Commercialization and Diversification of Agriculture

### **Rural Development Programmes**

- Poverty Alleviation Programmes
- National Rural Employment Guarantee Scheme (NREGS)

### **Labour:**

- Employment
- Types
- Sectoral Distribution
- Labour Welfare Measures
- Recent Indian Employment Report of International Labour Organisation (ILO) (Overview only)

### **Poverty and Human Development:**

- Estimates of Inequality
- Poverty alleviation measures

### **Index:**

- Human Development Index (HDI)
- Gender Development Index (GDI)
- Gender Empowerment Measure (GEM)
- Happiness Index (HI)

### **Foreign trade:**

- Composition
- Direction and Organisation of Trade

- Foreign Direct Investment (FDI)
- Balance of Trade
- Balance of Payment
- External Debt

## **Current Affairs**

