

# Tamil Nadu PSC AO Exam Pattern Pdf

Sl.No	Papers	Subjects Names	No of Questions	Maximum Marks	Duration of Exam
1.	I	Agriculture Subjects	200	300	3 Hours
2.	II	General Studies	75	200	2 Hours
3.		Aptitude & Mental Ability	25		
Interview & Records				70	
<b>Total</b>				<b>570</b>	

## TNPSC Agriculture Officer Syllabus:

### Agriculture Topics:

- Agricultural development through NITI AYOOG
- production and productivity
- Growth pattern of crops in India and Tamil Nadu in terms of area
- Government Agricultural Policies
- Agricultural Development through five-year plans in India and Tamil Nadu

### Fundamentals of Crop Production:

- Factors of Production
- Package of practices of different crops
- Climatic zones of Indian & Tamil Nadu and their features
- Minimal tillage
- Nanoparticles and their applications
- Weather forecasting
- Agricultural seasons of India and Tamil Nadu
- Cropping patterns in India and Tamil Nadu

### **Natural Resource Management:**

- Soil structure
- Physical and Chemical properties
- Factors influencing soil structure
- Command area development
- Water use efficiency
- Quality of irrigation water
- Problem soils and their management
- Conservation of soil and water
- Soil fertility and productivity
- Dry farming
- Watershed and wasteland development
- Size and distribution of holdings

### **Crop Management & Allied Agricultural Activities:**

- Cropping systems and integrated farming
- Recycling of agricultural waste
- Balanced usage
- Agricultural implements and Machinery and their usage
- livestock and poultry rearing
- Integrated nutrient management
- Tractors & tillers

### **Crop Improvement:**

- Principles of breeding
- Modern tools in crop improvement
- Application of biotechnology in agriculture
- Transgenic Plants
- Latest varieties of major crops in Tamil Nadu
- Variety release procedures

### **Importance of quality seeds in agriculture:**

- Seed testing laboratories
- Seed village concept Seed Act
- Seed certification techniques and processing in Tamil Nadu
- Seed enhancement technologies
- STA standards for seed testing

### **Importance of pest:**

- Farm Business and Finance Management
- Plant quarantine
- Pesticides and their use in IPM
- Plant protection equipment and their use
- Agricultural Marketing & Market Intelligence
- Agricultural Extension: Principles and Methods
- Principles of farm business management
- Symptoms of damages and control measures of pest
- Disease and nematodes of major crops in Tamil Nadu

### **General Studies:**

- Dravidian movement in TN-Political parties and populist schemes
- Indian National Movement
- The emergence of national leaders
- The preamble to the constitution
- Salient features of the constitution
- Gandhi, Nehru, Tagore
- Communalism led to a partition
- Botany
- General Science
- Physics
- Heat, light, and sound
- Atomic and nuclear physics
- Chemistry
- Geography
- Social geography
- population
- Profile of States-Defence
- Expansion and consolidation of British rule
- Political Science
- Tamil Nadu Judiciary in India
- Forest & wildlife
- Agricultural pattern
- Economics
- Excretion of metabolic waste

- Biocommunication
- Zoology
- Biodiversity and its conservation
- Land reforms & agriculture-Application of science in agriculture Industrial growth
- WTO-globalization & privatization
- Biochemistry and biotechnology
- Electrochemistry
- History and culture of India
- Nutrition and Dietetics
- Respiration
- Human diseases-
- Current Events
- Science
- History
- National symbols

#### **Aptitude and Mental Ability:**

- Decision making and problem-solving
- Logical Reasoning
- Puzzles
- Dice
- Time and Work
- Behavioral ability
- Basic terms
- Communications in information technology
- Logical Number/Alphabetical/Diagrammatic Sequences
- Percentage
- Conversion of information to data
- Collection, compilation, and presentation of data
- Tables, graphs, diagrams-Parametric representation of data
- Analytical interpretation of data
- Simplification
- Area
- Volume
- Highest Common Factor (HCF)
- Lowest Common Multiple (LCM)
- Application of Information and Communication Technology (ICT)
- Visual Reasoning

- Alphanumeric Reasoning
- Number Series
- Ratio and Proportion
- Simple interest & Compound interest

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