

# AP Grama Sachivalayam Syllabus

## Panchayat Secretary Grade-V:

### General Studies and Mental Ability

- General Mental ability and reasoning
- Quantitative aptitude including data interpretation
- Comprehension (Telugu & English)
- General English
- Basic Computer Knowledge
- Current affairs of regional, national and international importance
- General Science and its applications
- Contemporary development in science and Technology and Information Technology
- Sustainable Development and Environmental Protection.

### History, Economy, Geography, Politics, etc

- History & Culture with specific focus on Andhra Pradesh
- Indian polity and Governance: Constitutional Amendments, Policy & Reforms
- Economy and Planning in India
- Society, Social justice, rights issues
- Physical geography of Indian sub-continent and Andhra Pradesh
- Bifurcation of Andhra Pradesh and its implications/problems
- Key schemes of Andhra Pradesh
- Women empowerment and economic development

## Village Revenue Officers:

General Studies and Mental Ability: Same as above

### Drawing and Survey Syllabus:

- Importance of Lettering and Numbering
- Construction of Geometric Figures (Lines, Angles, Triangle, Rhombus, Quadrilaterals, Polygon)
- Construction of Ordinary Scale
- Drawing Plan and Elevation of Points, Lines, Surfaces & Solids
- Conventional Signs and Symbols
- Surveying of Buildings Sites
- Use of Prismatic Compass, Handling of Leveling Instrument
- Drawing and detailing of Brick arrangements; Stone Masonry & Stone Joints; Foundations; Damp Proof Course; Roof types; Flooring types; Arches & Lintels; Carpentry Joints; Doors types; Windows & Ventilators; Pitched Roof; Steel Roof

Trusses; Single Storied Residential House; Cross-section showing different types of Roads, Railway Track; Different types of Irrigation Structures; Pipelines Joints Drainage Works, Manholes, Sanitary fittings

### **Village Fisheries Assistant:**

General Studies and Mental Ability: Same as above

Drawing and Survey Syllabus:

- Taxonomy, Ecology & Biology of fish & Prawn
- Aquaculture – Principles, Fresh Water aquaculture, Brackish water, Seaweed culture, Integrated aquaculture, advanced aquaculture
- Seed production of fish & prawn
- Pond management
- Fish & Prawn Feed Management
- Marine Fisheries - Marine Resources of Andhra Pradesh; Tides, Currents, waves, monsoons, continental shelf; marine fishery; coastal, offshore & deep-sea species; Importance of by-catch Reduction Devices; Conservation of marine Turtles & mammals; Sea safety; Fish Landing Centres
- Fishing Craft and Gear - Types of Crafts & Gear used in capture fishery; Different types of gear; Fabrication of fishing gears
- Post-Harvest Technology
- Fishery Economics

### **ANM/Multi Purpose Health Assistant (Female):**

General Studies and Mental Ability: Same as above

Sciences, Fundamental of Nursing I & II; Community Health Nursing – I, II & III:

- Sciences - Anatomy and Physiology; Microbiology; Psychology; Sociology; Hygiene; Nutrition
- Fundamentals of Nursing I&II (Paper -1) - Introduction to Nursing; Nursing Procedures & Techniques; First Aid & Emergency Nursing; Introduction to Child Health, Maternal Health & Introduction to Family Health & Community
- Community health Nursing I & II (MIDWIFERY – Paper 2) - Domiciliary Midwifery; Midwifery & Maternity Nursing; Family Planning & welfare; Nutrition Education; Health Education & Communication Skills & Audio Visual Education
- Community health Nursing III (Paper – 3) - Basic Medicine & Pharmacology; Health Problems; Communicable Diseases & Mental Diseases

### **Animal Husbandry Assistant:**

General Studies and Mental Ability: Same as above

Subject related to Animal Husbandry:

- Basics in Veterinary anatomy and Physiology
- Infectious Diseases of Livestock Poultry
- Veterinary Pharmacy - Drugs, forms, weighing, measuring (units) routes of administration of drugs, oral parenteral, Forms of drugs
- Fundamentals of Animal reproduction and Gynaecology
- Basics in artificial insemination
- Basics in Surgery
- Fundamentals of Veterinary Medicine
- Introduction of Veterinary Biologicals and Vaccines
- Veterinary First Aid and clinical Management
- Analytical Laboratory Techniques
- Laboratory Diagnostic Techniques
- Dairy Management - Importance of Milk; Dairy farming; important breeds of cattle & Buffaloes; Importance of cross breeding
- Principles of management of Meat animals
- Livestock Farm Management
- Principles of Livestock feeding
- Basics of Pet & Zoo animals management
- Avian Hatchery Management
- Poultry Management
- Basics in Meat production & Handling

**Village Horticulture Assistant:**

General Studies and Mental Ability: Same as above

Horticulture:

- Fundamentals of Horticulture
- Plant Propagation and Nursery Management
- Olericulture - Food security, importance of vegetable in Indian economy and nutritional value
- Fundamentals of Soil Science
- Farm Power, Agricultural Machinery and Structures
- Farm Management, Agricultural Finance & Marketing
- Tropical Fruit Culture
- Spices & Plantation Crops
- Value Added Products of Fruits & Vegetables
- Manures & Fertilizers
- Diseases of Horticultural Crops & their Management
- Soil & Water Engineering
- Sub Tropical and Arid Fruit Culture
- Commercial Floriculture
- Seed Production, Certification & Varietal Testing

- Pest Management of Horticultural Crops and Apiculture
- Ornamental Gardening & Landscape Architecture
- Medicinal & Aromatic Crops Cultivation
- Dryland Horticulture & Water Shed Management
- Horticultural Extension, Teaching Methods & Communication Skills

### **Village Agriculture Assistant:**

General Studies and Mental Ability: Same as above

#### Agriculture:

- Principles of Crop Production
- Principles of Soil Science and Management
- Principles of Agricultural Economics
- Fundamentals of Seed Technology
- Agricultural Extension Methods
- Fundamentals of Plant Protection
- Watershed Management
- Soil and Water Conservation Practices
- Farm Machinery, power and Agricultural Implements
- Environmental Science and Disaster Management
- Post-Harvest Technology

### **Village Sericulture Assistant:**

General Studies and Mental Ability: Same as above

#### Sericulture:

- History of Sericulture
- Morphology and Taxonomy of Mulberry - Introduction, Distribution, Mulberry varieties
- Non-mulberry food plants – Tasar, Eri & Muga
- Soils and Preparation of land
- Suitable soils for Mulberry
- Mulberry planting methods
- Mulberry Cultivation
- Manures & Fertilizers
- Nutritive values of Mulberry leaf
- Non- Mulberry Silk Worms
- Rearing House
- Rearing Equipment
- Environmental Conditions and Management
- Economics of Silkworm rearing
- Entrepreneurship Development
- EDP in Sericulture

- Hatching and Brushing
- Spinning and Mounting
- Effective Rate of Rearing
- Silkworm Anatomy
- Silkworm Diseases and Pest management
- Seri Bio-Technology
- Cytology and anatomy of mulberry
- Farm Management
- Mulberry Diseases
- Estimation of Leaf Yield
- Economics of Mulberry cultivation
- Systematic Position of Bombyx mori
- Parental Races
- Grainage Equipment & Operations
- Cocoon Quality and Cocoon Sorting
- Cocoon cooking and Brushing
- Raw Silk Testing
- Silk Dyeing

**Mahila Police and Women & Child Welfare Assistant/Ward Women & Weaker Sections Protection Secretary (For Women Only):**

General Studies and Mental Ability: Same as above

History, Economy, Geography, Politics, etc

- History & Culture with a specific focus on Andhra Pradesh
- Indian polity and Governance: Constitutional Amendments, Policy & Reforms
- Economy and Planning in India
- Society, Social justice, rights issues
- Physical geography of Indian sub-continent and Andhra Pradesh
- Bifurcation of Andhra Pradesh and its implications/problems
- Key schemes of Andhra Pradesh
- Women empowerment and economic development

**Engineering Assistant:**

General Studies and Mental Ability: Same as above

Civil/Mechanical Engineering:

- Strength of Materials
- Engineering Mechanics
- Fluid Mechanics
- Hydraulic Pumps
- Engineering Drawing

- Reinforced concrete structures
- Surveying
- Production Technology

### **Panchayat Secretary - Digital Assistant:**

General Studies and Mental Ability: Same as above

Engineering:

- Data Structures – Stacks, Queues, Linked lists, Trees, Graphs, Searching & Sorting
- Database Management Systems - Database Design, Dependency, Working with Tables
- Operating Systems
- Memory Management
- Computer organization - Modes of I/O Data Transfer, Computer Arithmetic
- Number Systems and Digital circuits – Number systems, Logic Gates, Boolean Algebra Theorems
- Programming Languages
- Computer Networks - Introduction to Computer Networks, Transmission Media, Multiple Access Protocols, Networks Layer Functions, Transport Layer Functions, Application layer protocol, Network Security Basics, Firewalls, Intruder, Virus and related threats
- Circuit Theory, Electronic Devices and Circuits - Mesh Current and Node voltage analysis, Semiconductor diodes, Transistors, Series and shunt regulators, Transistor amplifiers
- Communication Engineering
- C. Machines and A.C. machines
- Power System Generation and Protection
- Electrical & Electronic Measuring Instruments

### **Village Surveyor:**

General Studies and Mental Ability: Same as above

Subject Knowledge - ITI Standard:

- Importance of Lettering and Numbering
- Construction of Geometric Figures (Lines, Angles, Triangle, Rhombus, Quadrilaterals, Polygon)
- Construction of Ordinary Scale
- Drawing Plan and Elevation of Points, Lines, Surfaces & Solids
- Conventional Signs and Symbols
- Surveying of Buildings Sites
- Use of Prismatic Compass, Handling of Leveling Instrument
- Drawing and detailing of Brick arrangements; Stone Masonry & Stone Joints; Foundations; Damp Proof Course; Roof types; Flooring types; Arches & Lintels Carpentry Joints; Doors types; Windows & Ventilators; Pitched Roof; Steel Roof

Trusses; Single Storied Residential House; Cross-section showing different types of Roads, Railway Track; Different types of Irrigation Structures; Pipelines Joints Drainage Works, Manholes, Sanitary fittings

- Doglegged & Open Well (m) Single Storied Residential House

### **Welfare and Education Assistant:**

General Studies and Mental Ability: Same as above

History, Economy, Geography, Politics, etc: Same as above

### **Ward Administrative Secretary/ Ward Amenities Secretary/ Ward Sanitation & Environment Secretary/ Ward Education & Data Processing Secretary/ Ward Planning & Regulation Secretary/ Ward welfare & Development secretary:**

Syllabus Notified for the posts in Part-A:

#### **PART-A:**

- 1) General Mental ability I & reasoning
- 2) Quantitative aptitude including data interpretation
- 3) Comprehension - Telugu & English
- 4) General English
- 5) Basic computer knowledge
- 6) Current affairs of Regional, National and International importance
- 7) General Science and Its applications to the day to day life, Contemporary development in science & technology and information technology
- 8) Sustainable development and environment protection.

Corrigendum to the Syllabus of the posts in Part-A:

#### **PART-A:**

- 1) General Mental ability and reasoning
- 2) Quantitative aptitude including data interpretation.
- 3) General English.
- 4) Current affairs of regional, national and international importance.
- 5) General Science and its applications to the day to day life, Contemporary development in science and Technology and Information Technology
- 6) History & Culture of India with a specific focus on AP.

7) Indian polity and governance: constitutional issues, 73/74th Amendments, public policy, reforms and centre-state relations with specific reference to Andhra Pradesh.

8) Society, social justice, rights issues.

9) Physical geography of Indian sub-continent and Andhra Pradesh.

10) Key welfare & development schemes of Government of Andhra Pradesh.

## **AP Grama Sachivalayam Exam Pattern:**

Total number of Multiple Choice Questions asked is 150 and the test will be conducted in written mode.

### **Panchayat Secretary Grade-V:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	75	75	75 Minute
History, Economy, Geography, Politics, etc.	75	75	75 Minute
Total	150	150	2 Hours 30 Minutes

**Negative Marking:-** 0.25 marks will be deducted for wrong answers.

### **Village Revenue Officers:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	50	50	50 Minutes
Drawing and Survey Syllabus	100	100	100 Minutes
Total	150	150	2 Hours 30 Minutes

### **Village Fisheries Assistant:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	50	50	50 Minutes
Biology of Fish & Prawns, Seed production, pond management, Marine Fisheries, Aquaculture, Fishing Gear and Craft, Fisheries Economics	100	100	100 Minutes
Total	150	150	2 Hours 30



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**ANM/Multi-Purpose Health Assistant (Female):**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	50	50	50 Minutes
MPHW(F) TRAINING COURSE Sciences, Fundamental of Nursing I & II; Community Health Nursing – I, II & III	100	100	100 Minutes
Total	150	150	2 Hours 30 Minutes

**Animal Husbandry Assistant:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	50	50	50 Minutes
Subject related to Animal Husbandry	100	100	100 Minutes
Total	150	150	2 Hours 30 Minutes

**Village Horticulture Assistant:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	50	50	50 Minutes
Horticulture	100	100	100 Minutes
Total	150	150	2 Hours 30 Minutes

**Village Agriculture Assistant:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	50	50	50 Minutes
Agriculture	100	100	100 Minutes
Total	150	150	2 Hours 30 Minutes

**Village Sericulture Assistant:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	50	50	50 Minutes
Sericulture	100	100	100 Minutes

Total	150	150	2 Hours 30 Minutes
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**Mahila Police and Women & Child Welfare Assistant/Ward Women & Weaker Sections Protection Secretary (For Women Only):**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	75	75	75 Minute
History, Economy, Geography, Politics, etc.	75	75	75 Minute
Total	150	150	2 Hours 30 Minutes

**Engineering Assistant:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	50	50	50 Minutes
Civil/Mechanical Engineering (Diploma standard)	100	100	100 Minutes
Total	150	150	2 Hours 30 Minutes

**Panchayat Secretary - Digital Assistant:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	50	50	50 Minutes
Engineering Subjects	100	100	100 Minutes
Total	150	150	2 Hours 30 Minutes

**Village Surveyor:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	50	50	50 Minutes
Subject Knowledge	100	100	100 Minutes
Total	150	150	2 Hours 30 Minutes

**Welfare and Education Assistant:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	75	75	75 Minute
History, Economy, Geography, Politics, etc.	75	75	75 Minute
Total	150	150	2 Hours 30 Minutes

**Ward Administrative Secretary/ Ward Amenities Secretary/ Ward Sanitation & Environment Secretary/ Ward Education & Data Processing Secretary/ Ward Planning & Regulation Secretary/ Ward welfare & Development secretary:**

<u>Section</u>	<u>No. of Questions</u>	<u>Marks</u>	<u>Duration</u>
General Studies and Mental Ability	75	75	75 Minute
History, Economy, Geography, Politics, etc.	75	75	75 Minute
Total	150	150	2 Hours 30 Minutes