

UPSSSC Agriculture Technical Assistant Syllabus

The UPSSSC AGTA Syllabus is divided into 3 parts.

Part 1: Subjects include Crop Science covering Biotechnology, Plant Breeding, and Crop Physiology, as well as Soil and Water Conservation, Agriculture Extension, and Agriculture Economics and Schemes, along with topics related to Dairy and Animal Husbandry.

Part 2: Encompasses knowledge of concepts in Computer and Information Technology, along with contemporary technological developments and innovations in this field.

Part 3: It is all about general information related to the state of Uttar Pradesh. Check the detailed UPSSSC Agriculture Technical Assistant Subject-Wise Syllabus below.

UPSSSC Agriculture Technical Assistant Subject-Wise Syllabus

The UPSSSC Agriculture Technical Assistant Syllabus is given below candidates have started their preparation for the exam according to the syllabus. There will be **five subjects** in the examination i.e. **General Hindi, General Intelligence, General Knowledge, General Science, and Arithmetics**, and topics which are important for the examination are given below.

Part 1

1. Crop Science

- Classification of crops, major cereals, pulses, oilseeds, millets, fiber cash crops, spices and fodder, fruits, flowers, and vegetable crops are grown in the State and major crop production techniques and agro practices.
- Post-harvest management of produce.
- Fruits and vegetables preservation and processing.
- Principles of crop rotation, cropping pattern, and types of farming like dry farming, integrated farming, natural farming, mono-cropping, multiple cropping, intercropping, and types and importance of organic farming, its socio-economic importance/use.
- Importance of Seed, types of seeds, and their production methods.
- Method of Seed treatment and its importance.
- Basic principles, scope, and importance of crop protection, name of major equipment and chemicals used in pest control, integrated pest management.
- Insect, pest, and diseases of major crops and their management.
- Principles and Systems of produce storage, and factors affecting the quality of produce and storage & its management.

2. Biotechnology, Plant breeding & Crop physiology

- Importance and utility of Biotechnology in agriculture.
- Principles, use, and importance of Genetics & Plant Breeding.
- Photosynthesis, Respiration, Evaporation, Plant Anatomy and Metabolism.

3. Soil and Water Conservation

- Properties and components of soil, the process of soil formation, types of soil erosion, and its conservation techniques.
- Essential nutrients found in soil, role, and associated deficiency symptoms.
- Classification of fertilizers, their nutrient content, and methods of application.
- Integrated nutrient management, types, importance, and role of organic fertilizers/bio-fertilizers.
- Soil microbiology and its major role in crop production.
- Soil survey, methods of soil sampling, and soil conservation techniques.
- Source, method, and importance of Irrigation.
- Basic concepts & methods of Drainage.
- Watershed Management.
- Types of pollution and environmental protection.

4. Agriculture Extension

- Principles of agriculture extension and rural development.
- Extension methodologies, audio-visual aids, classification, and their importance.
- Training: objectives, importance, and its types.
- Different programs and schemes of the Govt. of India and State Govt. run for the welfare of farmers and rural development.

5. Agriculture Economics & Schemes

- Role of agriculture in the One trillion economy of the U.P.
- Economic reforms in the Agriculture sector.
- Concept of import and export of agricultural produce.
- Formulation of plans for Agriculture.
- Principles of Agricultural Statistics.
- Principles and importance of agricultural economics.
- MSP of different crops.
- Agricultural Marketing.

6. Dairy & Animal Husbandry

- Different Breeds of domestic animals & feed management.
- Objectives and methods of animal breeding. Milk production and its distribution.
- Basic knowledge of Poultry farming, Fish farming, Apiculture, and Seri culture.
- Major diseases of domestic animals, diagnosis and treatment.

Part 2

Knowledge of Concepts of Computer and Information Technology and Contemporary Technological Development and Innovation in this field:

- History, Introduction and Application of Computer, Information Technology, Internet and World Wide Web (WWW).
- General Knowledge related to:
 1. Hardware and Software
 11. Input and Output
 - III. Internet Protocol/IP Address
 - IV. IT gadgets and their application
 - V. Creation of e-mail ID and use/operation of e-mail VI.Operation of Printer, Tablet, and Mobile
 - VII.Important elements of Word Processing (MS-word) and Excel Processing (MS-Excel)
 - VIII.Operating System, Social Networking, e-Governance
- Digital Financial Tools and Applications
- Future Skills and Cyber Security
- Technological Development and Innovation in the field of Computer and Information Technology (Artificial Intelligence, Big Data Processing, Deep Learning, Machine Learning, Internet of Things) and India's achievements in this field, etc.

Part 3

General Information Related to The State of Uttar Pradesh:-

In this Part of the question paper, questions based on History, Culture, Art, Architecture, Festivals, Folk Dance, Literature, Regional Languages, Heritage, Social Customs and Tourism, Geographical Landscape and Environment, Natural Resources, Climate, Soil, Forest, Wildlife, Mines and Minerals, Economy, Agriculture, Industry, Business and Employment, Polity, Administration of Uttar Pradesh and Current Events and Achievements of Uttar Pradesh State in various fields etc. will be asked from the candidates.