

જગ્યાનું નામ : સંયુક્ત ખેતી નિયામક , વર્ગ-૧

ભાગ-૧ અને ભાગ-૨ ના ૧૦૦ મિનિટના સંયુક્ત પ્રશ્નપત્રની પ્રાથમિક કસોટીનો

અભ્યાસક્રમ

ભાગ-૧

કુલ પ્રશ્નો : ૧૦૦

કુલ ગુણ : ૧૦૦

માધ્યમ : ગુજરાતી

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| (૧)તાજેતરના મહત્વના રાષ્ટ્રિય,આંતરરાષ્ટ્રિય બનાવો | (૨) ભારતની તથા વિશ્વની ભુગોળ                             |
| (૩) ભારતની રાજનીતિ                                | (૪) ભારતની અર્થવ્યવસ્થા                                  |
| (૫) ભારતનું બંધારણ                                | (૬) ગુજરાતની ભૌગોલિક બાબતો તથા કુદરતી સંપત્તિ            |
| (૭) ગુજરાતની ખેતી અને ઉદ્યોગો                     | (૮) ગુજરાતનો સાંસ્કૃતિક વારસો, સાહિત્ય , કલા, ધર્મ       |
| (૯) ગુજરાતી વ્યાકરણ                               | (૧૦) અંગ્રેજી વ્યાકરણ                                    |
| (૧૧)સામાન્ય વિજ્ઞાન                               | (૧૨) ભારતનો ઇતિહાસ                                       |
| (૧૩) ગણિતશાસ્ત્ર                                  | (૧૪) સંખ્યાત્મક કસોટી                                    |
| (૧૫) તાર્કિક કસોટી (Reasoning Test)               | (૧૬)સામાન્ય બૌદ્ધિક ક્ષમતા (General mental ability Test) |
| (૧૭) ખેલજગત                                       |  |

ભાગ-૨

કુલ પ્રશ્નો : ૧૦૦

કુલ ગુણ : ૨૦૦

માધ્યમ : અંગ્રેજી

1. Important and contribution of agriculture in State and National level economy.
2. Characteristics of different agro-Climatic zones of the State & their cropping systems.
3. Effect of Environment of crop production, characteristics of monsoon in different parts of the State and its effects on agricultural situation of the state. Alternative cropping system in irregular monsoon.
4. Classification of soils of Gujarat, their physical, chemical and biological properties. Measures of improving and maintenance of their fertility and productivity. Soil conservation programme.
5. Organic farming, uses of organic manure in crop production, importance of organic elements to maintain physical properties of soil, different methods of adding organic elements .
6. Essential elements for the plant growth their functions and role, nutrient Movement in plant, Integrated nutrient management.
7. Advance package of practices of main crops in irrigated and non-irrigated conditions and benefits of crop rotation,intensive cropping, multiple cropping system and as inter/mix cropping system.
8. Crop improvement and seed production programme in major Cereals, Legumes, Oilseeds and cash crops.

9. Importance of tillage on soil moisture conservation and its methods, Concepts of minimum and zero tillage.
10. Cultivation of vegetables and flowers, its development, preservation and keeping quality harvest technology.
11. Irrigation development in the State. Small, medium, major irrigation projects. Irrigation system and water requirement of main crops. Scope and role of drip and sprinkler irrigation methods.
12. Disease and pest of economic crops and their management, biological control and importance of pest management of co-operative basis. Precautions in use of pesticides, residues of pesticides and tolerance limits, quarantine laws and their implementation, use of plant protection appliances and their maintenance, precautions for storage of grains.
13. The important breeds of cattle, buffalo, sheep, goat and poultry of Gujarat State and their economical and physical characteristics.potentials and possibilities of dairy developments, channels of milk distribution, milk and its products.Economics of poultry and dairy farming, principles of animal nutrition and management. Livestock breeding programmes - the disease of cattle, buffaloes and poultry and their common remedies. Role of artificial insemination in livestock improvement.
14. The potentials and possibilities of fishery development in Gujarat along with its economics.Basic requirement for fish farming with its peculiarities & scope of expansion.
15. Development programmes for agriculture, animal husbandry and fish production in Gujarat state. The short and long term plans, projects and policies of the State Government for development of agriculture and related fields.
16. Philosophy, objectives and principles of agricultural extension. Constitution, functions and responsibility of extension institutions working at taluka, district and State level.Advantages and limitations of training and visit system. Role of voluntary organisations in extension work.
17. Agricultural research institutions in State and their role in the development of seed improvement programme to increase agricultural production and improved agricultural practices.
18. Principles of plant breeding,High yielding, Composites and hybrid varieties of the important crops of the state. Role of genetic engineering in the development of new varieties. Development and improvement through tissue culture.
19. Pollution and its impact on environment.
20. Principles of plant physiology, nutrition , absorption, Translocations, absorption and metabolism in plants. Diagnosis of deficiency symptoms of minerals and its remedy. Study of photosynthesis, respiration, growth and development.
21. Elements of plant breeding and genetics. Crop improvement of major crops and importance of hybrid varieties.
22. Principles of agricultural, economics and their importance and utility in agriculture. Management of farm planning, methods of cultivation and its economic effect on area and zone.
23. Importance of environmental conservation and factors affecting it.Natural resources, their conservations and utility to human being.
24. Importance of forestry , particularly the utility of social forestry and agro-forestry. Objective of natural forestry and its effect.
25. Farm management and its implementation, importance and characters, management of budget and economics of different agronomic practice.