

The Syllabus of the test and other details are given below:-

Name of Test: Eligibility Test for Agriculture Assistants
for promotion as Agriculture Officer

(Questions must be in Higher Secondary level)

Subject and syllabus:

1. Kind of soils found in different tracts of the state, crops suited to them and how to increase the production in such soils. Effects of Weather conditions on soil and crops.
2. Soil conservation-causes and types of soil erosion, extent of loss, common measures to check etc.
3. Acid, Alkali and water logged lands, method of reclamation.
4. Soil fertility-causes of depletion, maintenance of soil fertility.
5. Utilisation of cow-dung and cattle urine for manure.
6. Green manuring and its importance in the programme of increasing soil fertility. Important Green Manure crops and their suitability for different soils and climatic conditions.
7. Important chemical fertilizers-single, complete and mixed and their uses.
8. Methods and practices for conservation of soil moisture, system of irrigation etc.
9. Characteristics of good seed. Multiplication and distribution of improved seeds.
10. Food crops of Kerala and possibilities of increased production.
11. Cash crops of Kerala and possibilities of increased production.
12. Development programmes of cash crops in the plan.
13. Major pests and diseases of important crops and their control.
14. Rubber Development Schemes in Kerala.
15. Soil Testing Service.
16. Crop rotation, Principles and advantages. Important crop rotations.
17. Vegetable cultivation. Raising vegetable crops, raising of seeds of important Vegetable crops. Important crops of Kerala.
18. Principles of laying out orchards-selection of site-Different systems of lay out, digging of pits and their filling- care and handling of plants and planting- Method of Irrigation, manuring etc.
19. Causes of low yields in orchards and their remedies.
20. Vana Mahotsava- its significance, organization, arrangement for supplies and follow up.
21. Causes of spread of pests and diseases. Different methods of control:
(a) Cultural (b) Mechanical (c) Chemical (d) Biological
22. Important insecticides and fungicides and their uses. Preparation of Boudreaux Mixture of varying strength.
23. Crop planning for individual holdings of different sizes.
24. Crop planning for:
(a) Irrigated areas
(b) Non-irrigated areas excluding areas with low precipitation.
(c) Intensive farming
(d) Mixed farming
25. Importance of crop competitions, rules of crop competitions and how to organize them.
26. Major, medium and minor irrigation works with special emphasis on facilities provided by state for minor irrigation works.
27. Factors affecting returns from farming.
28. Role of marketing in agricultural production-warehousing corporation, state trading in food grains.
29. The package programme.
30. Object of demonstrations, types of demonstrations, methods of laying out demonstrations. Presentation of the results of demonstrations to the farmers and records to be maintained. Common defects noticed in demonstrations and how to avoid them.
31. Fundamentals of farm planning- suitable economic crop patterns for different

regions.

32. Development of local manurial resources- scope-ways and means to increase the production advantages.
33. Co-operation in farming co-operative farming, joint farming, co-operative credit, co-operative marketing etc.
34. Lemon grass and other essential oil plants-present cultivation, status in the world market- possibilities of improvement.
35. Pepper, Ginger and Cardamom.
36. The main pulses of Kerala- the present programme in the state, its importance in increasing production-intensification of cultivation.
37. Haritha Keralam Mission- Objectives -Important Activities etc.
38. Kerala Conservation of Paddy Land and Wet Land Act 2008 - Aims & Objectives- Rules issued thereunder, etc.