

SYLLABUS FOR EXAMINATION FOR FILLING UP OF THE POST OF VILLAGE LEVEL WORKER (VLW) UNDER AGRICULTURE & HORTICULTURE DEPARTMENTS THROUGH DIRECT RECRUITMENT

The examination will consist of 2 papers: -

PAPERS	SUBJECTS	FULL MARKS	TIME ALLOWED
PAPER-I	General English	50 MCQ Plus 10 Marks Essay Writing, Precis writing Total 60 Marks	1:30hours
	General Knowledge	40 MCQ	
PAPER-II	Agriculture, Horticulture	300 MCQ	3 hours

The questions will be of multiple choice and objective types with negative marking on OMR Sheets.

Paper-I

General English:

General English: Grammar, composition, comprehension, essay writing, Precis writing.

General Knowledge:

General awareness on current affairs, current events of state and national importance, important historical events of State and National importance

Paper-II

Agriculture, Horticulture

AGRICULTURE: -

Agriculture: definition, introduction, importance and scope.

Organic farming: definition, components, advantages and disadvantages, certification and scope of organic farming.

Classification of crops. Effect of different weather parameters on crop growth and development.

Cultivation: Types, Tillage, tilth and its principles and characteristics. Water requirement of crops, methods of irrigation. Weeds and their control methods. Cropping systems, crop rotation, relay cropping, mixed cropping, multi-storied cropping.

Soil: Types, physical properties and their importance, composition and decomposition. Effect of organic matter on soil and soil fertility.

Nutrients: Essential plant nutrients and its function and deficiency symptoms in plants. Extension: definition, objectives, function, principle.

Plant protection: classification of insect, pest and disease. Insects, pests and diseases of cereals, pulses and oilseed crops and their management. Integrated pest management and Integrated disease management.

Natural framing: Definition, principles, crop management, production of bio inputs. Farm machinery/mechanization.

HORTICULTURE: -

Horticulture: definition, importance, scope and its types.

Classification of horticultural plants.

Soil and climatic requirements of horticultural plants, raising and management of nursery.

Propagation of plants: Budding, Grafting, Layering. Training and Pruning. Planning and Layout of orchard. Package and practices of cultivation of summer and winter vegetables, fruits and flowers.

Post harvest management of : vegetables, flowers and fruits, pre- harvest factors, post-harvest factors, maturity index of vegetables and fruits.

Processing of: fruits and vegetables. Preparation techniques of jam, jelly, marmalade, pickles and their methods of judging end point.

Tools and implements used in Horticulture Garden.

Plant breeding: Principles of plant breeding, breeding of field and horticultural crops, commercial plant breeding, genetics, methods of. Plant Breeding. Plant biotechnology and Tissue culture.

The Syllabus above is Approved by the Committee constituted for the purpose vide Office Order No.402/Adm/Agri Dated 05.08.2025: