

ODISHA AGRICULTURAL TEST SCHEDULE 2026

Test No	Date	Detailed Syllabus	Reference Books
1	12.08.2026	Ecology and Environment, Cropping System and Forestry § Ecology and its relevance to man, natural resources, their sustainable management and conservation. § Physical and social environment as factors of crop distribution and production. § Agro ecology; cropping pattern as indicators of environments. § Environmental pollution and associated hazards to crops, animals and humans. § Climate change—International conventions and global initiatives. § Greenhouse effect and global warming. § Advance tools for ecosystem analysis—Remote Sensing (RS) and Geographic Information Systems (GIS). Cropping System § Cropping patterns in different agro-climatic zones of the country. § Impact of high-yielding and short duration varieties on shifts in cropping patterns. § Concepts of various cropping, and farming systems. § Organic and Precision farming. § Package of practices for production of important cereals, pulses, oil seeds, fibres, sugar, commercial and fodder crops. Forestry § Important features and scope of various types of forestry plantations such as social forestry, agroforestry, and natural forests. § Propagation of forest plants. § Forest products. Agroforestry and value addition. § Conservation of forest flora and fauna.	§ Ecology and Environment - P.D.Sharma § NCERT – 12th Biology Chapter Ecology § Agritech portal by TNAU § Principles of Agronomy – Yellamandha Reddy
2	19.08.2026	Cell Biology, Genetics and Plant Biotechnology § Cell structure, function and cell cycle. § Synthesis, structure and function of genetic material. § Laws of heredity. § Chromosome structure, chromosomal aberrations. § Linkage and cross-over, and their significance in recombination breeding. § Polyploidy, euploids and aneuploids. § Mutation and their role in crop improvement. § Heritability, sterility and incompatibility, classification and their application in crop improvement. § Cytoplasmic inheritance § Sex-linked, sex-influenced and sex-limited characters. § Role of genetic engineering and biotechnology in crop improvement Genetically modified crop plants.	§ Fundamentals of Genetics – B.D. Singh § Plant Breeding Principles and Methods – B.D.Singh