

RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT PROFESSOR IN AGRICULTURE ECONOMICS FOR COLLEGE EDUCATION DEPARTMENT

PAPER – I

Unit 1: Economic Theory -

Basic concepts of micro and macroeconomics; economic theory, nature and tools of economic analysis; theory of consumer behaviour; production theory; costs theory; theory of firm; price determination under different market forms, price discrimination, effects of taxation and subsidies under different market conditions- monopoly, duopoly, Cournot model, oligopoly; welfare economics; market failure; nature of macroeconomic analysis; national income; consumption; saving and investment, employment, theory of business cycle, functions and demand for money; inflation; income and interest determination; IS-LM functions; general equilibrium analysis; monetary and fiscal policies, economic reforms.

Unit 2: Agricultural Development and Policy -

Role of agriculture in economic development; economic growth and development; present development challenges, theories of development; role of economic, technological, social, political and environmental factors; Green GNP, nature, sources and impact of technological change; Theories of agricultural development; growth models – Harrod-Domar, Neo-Classical, Rostow's growth stages, five-year plans and agriculture; land reforms; institutions and development; agricultural growth analysis- determinants of agricultural growth and their measurements; features of planning in capitalists, socialist and mixed economies; role of infrastructure and technological change; agricultural policy analysis and reforms – input and output price policy, credit policy etc; policies and programmes for development of agro-industry, dairy and fisheries; policy options for sustainable agriculture development, measurement of poverty and poverty alleviation programmes.

Unit 3: Natural Resource and Environmental Economics -

Characteristics and classification of natural resources, sustainability issues in natural resources, sources and types of pollution – air, water, solid waste, land degradation- environmental and economic impacts; property rights, externalities, transaction costs, need for collective action, role of economics in natural resources accounting,

planning, management and policy formulation; social welfare function; allocation of renewable and non-renewable resources (forests, fisheries, minerals, water, land etc.) under various market structure; valuation of non-market resources; government programmes for conservation and development of natural resources; environmental regulations.

Unit 4: Production Economics-

Concepts of production economics; basic principles of farm management; marginal returns, opportunity cost, input-output, output-output and input-input relationships; time comparison and comparative advantage, cost principles, farm efficiency measures and financial analysis; farm planning and budgeting; farm records; management of risk and uncertainty in agriculture; diversification and insurance in agriculture and allied sectors; yield gap analysis, forms, characteristics and applications of production functions – linear, quadratic, square root, spillman, cubic, semi-log, Cobb-Douglas, Constant Elasticity of Substitution (CES), Variable Elasticity Of Substitution (VES) etc; cost and profit functions; derivation of supply and factor demand functions from production and profit functions; optimization of resource allocation, resource-use efficiency and returns to scale; frontier production function; total factor productivity; decision making under risk and uncertainties.

Note: - Pattern of Question Paper

1. Objective type paper
2. Maximum Marks: 75
3. Number of Questions: 150
4. Duration of Paper: Three Hours
5. All Questions carry equal marks.
6. Medium of Competitive Exam: Bilingual in English & Hindi
7. There will be Negative Marking.