SYLLABUS FOR ENTRANCE TEST FOR THE POST OF

MANAGER (G)

Section A: GENERAL (60 MARKS)

Analytical Ability, Logical, quantitative and visual-spatial reasoning
Computer skills; computer applications and proficiency in using windows; MS office etc.
General Knowledge/current affairs.
General Punjabi up to Matric standard
General English (Up to Graduation standard)

Section B: PROFESSIONAL (40 MARKS)

Agriculture, its importance in national economy. Factors determining agro-ecological zones and geographic distribution of crop plants. Importance of crop plants, cultural practices for cereal, pulses, oilseed, fibre, sugar, tuber and fodder crops and scientific basis for these crop rotations, multiple and relay cropping, intercropping and mixed cropping.


Principles of plant physiology with reference to plant nutrition, absorption, transactions, and metabolism of nutrients. Diagnosis of nutrient deficiencies and their amelioration photosynthesis and respiration, growth and development, auxins and hormones in plant growth.

role of genetic engineering and biotechnology in crop improvement, genetically modified crop plants.


**Principles of economics as applied to agriculture**. Farm planning and optimum resource-use efficiency and maximising income and employment. Farm systems and their spatial distribution, their significant roles in regional economic development, intellectual property rights (IPR) issues, WTO issues and its impact on agriculture.

**Remote sensing, irrigation and drainage**, farm power and machinery, energy requirements of agricultural operations and agro-processing, engineering properties of agricultural produces and by-products, instrumentation and computer applications in agricultural engineering.