

* Unit Course No. 307 F

* Materials Management :

1. Growing importance of materials management-Objective, functions and scope of materials management-Organising for materials management.
2. Legal aspects of materials management-Forecasting for Materials management-Materials management planning.
3. Production and inventory control basics-Order point and periodic control systems-Analytical inventory control techniques.
4. Sourcing, make buy or lease-buying Processing-Problems in supplier relations-Purchase price analysis-Cost reduction techniques.

* Unit Course No. 308 F

* Materials Management :

1. Integrated Materials Management-Corporate Policy and Materials Management-Organisation and control-Materials Research.
2. Materials - Planning and Budgeting-ABC Analysis - Co-dification and Standardisation source Selection.
3. Creative Purchasing-Purchase Systems Price Forecasting-Buying Seasonal Commodities-Purchasing under Uncertainty-Purchasing of Capital Equipment.
4. International Buying-Import Substitution-Problems of Technology-Transfer Public Buying-Legal Aspects of Buying-Insurance Buying-Buyer-Seller Relationship and Ethics.

* Unit Course No. 307 G

* Agricultural Management :

(Agricultural Planning and Development)

1. Agricultural Planning and its importance-Role of agriculture in economic development-Place of agriculture in Indian planning-Appraisal of agricultural planning-Social change through agriculture-Agricultural Management training programmes.
2. Organisational factors-Land reforms-Agricultural research-Agricultural education-Extension services-Problems of co-operative-Community forests and forestry management.
3. Land resource utilization-Population pressure-Resources in agriculture-Irrigation-Improving agricultural practices-Corporate growth and rural development.
4. Agro-based industries-Role of central co-operative banks-Co-operative land development banks-Nationalised banks and agricultural finance-Evaluation of Agricultural co-operative farming and farm management.

* Unit Course No. 308 G

* Agricultural Management : (Co-operative Management) :

1. Co-operation-Principles of Co-operative Sector and Economic Development-Co-operative Management-Professionalised Management of Co-operatives.
2. State and Co-operative Movement-Effect of Co-operative Law on Management-Co-operative Mergers-Taxation of Co-operative-Need for Cost Audit in Co-operative Business Organisations.
3. Industrial Relations in Co-operatives-Public Relations-Integrated Approach to Co-operative Development-Co-operatives Marketing-Supply of Agricultural Inputs-Financial Structure and Problems of Marketing Co-operatives.
4. Co-operative Credit-Short-term and Long-term Credit Structures-Urban Co-operative Banking-Public Distribution and Role of Co-operatives-Management of Sugar Co-operatives-Consumer's Co-operative Management-Modernising Administration in Co-operatives.

* Unit Course No. 307 H

* Operations Research and Systems Management :

1. Nature, Scope, and importance of O. R. and systems approach-Role of O. R. in decision-making.
2. Linear programming-Graphical methods-Simplex methods-Principle of duality-Sensitivity analysis.
3. Transportation north-west corner rule-Job assignment-Penalty cost; method-Dynamic programming.
4. Inventory problems, replacement problems, waiting time problems.

* Unit Course NO. 308 H

* Operations Research and Systems Management :

1. Utility theory-Renewal Theory-Markov Chains-Allocation problems under uncertainty.
2. Game Theory-Simulation, Optimisation and decision models.
3. Job sequencing, CPM/PERT.
4. Multiple linear regression. Optimisation theory.

Unit Course No. 405 F

Material Management :

Stores Management—Stores systems and Procedures—Incoming Materials Control—Stores Accounting and Stock Verification—Obsolete, Surplus and Scrap Management—Ware-housing and Stores Management.

Value Analysis—Materials Handling—Transportation and Traffic Management—Traffic and Physical Distribution Management.

Inventory Management in India—Economic Ordering Quantity—Practical Inventory Systems—Future of Materials Management.

OR techniques in Materials Management—Role of PERT in Materials Management—Computers in Materials Management—Evaluation of Materials Management—Index Ratio in Materials Management.

Unit Course No. 405 G

Agricultural Management :
(Integrated Rural Development)

Integrated Rural Development—Agricultural Efficiency and Management of Agricultural Inputs—Irrigation and Economic Change—Cropping pattern for Rural Development—Dimension . Rural Poverty in India—Employment Planning for the Rural Poor—Role of Co-operative Industrial Estates.

Urbanism and Rural Development—Decentralised Approach to Rural - development—Problems of Tribal Development, Rural Development and Small Scale Industries—Rural Entrepreneurship and management Development.

Management of Consumer's co-operative—Co-operative Department Stores in Rural areas—Purchase Policies—Organisation and Purchasers for co-operative Products.

Co-operative Dairy for Small People—Horticulture—Management—Nursery management of Labour Contract and Construction Co-operative Cattle Management—Recent Trends in Agricultural Management.

Unit Course NO. 405 H

Operations Research and Systems Management :

Nature, scope and importance of O. R. and systems approach—Role of O. R. in decision making.

Linear programming—Graphical methods—Simplex methods—Principle of duality—Sensitivity analysis.

Transportation north-west corner rule—Job assignment—Penalty cost method—Dynamic programming.

Inventory problems, replacement problems, waiting time problems.

Unit Course NO. 406 F

* Material Management :
(Case Studies)

Cases in Materials Management on various topics covered in Unit courses 307, 308, and 405 minimum 12 cases must be covered. Three case will be asked in the Examination, out of which, candidates shall have to attempt any two.

* Unit Course No. 406 G

Operations Research and Systems Management :
(Case Studies)

Cases in Operations Research and Systems Management on the various topics covered in Unit Courses 307, 308, 405 minimum twelve case must be covered. Three cases problems will be asked in the examination, out of which, students should attempts any two.

Unit Course NO. 406 H

* Agricultural Management :
(Case Studies)

Cases in Personnel Management on the various topics covered in Unit Courses 307, 308, 405 Minimum 12 cases must be covered. Three case will be asked in the examination, out of which, candidates should attempts any two.