

Certificate in Bee Keeping (CBK)

CURRICULUM Scheme and Syllabus

Duration: 03 Months

Eligibility: Any one youth and farmers who interested

Credits: 3 (2+1)

Contact Hrs.: 80

Objective: To train the students in basic aspects of Bee Keeping. To train the students in Honey processing, Marketing and Generation of Employment opportunities.

Course Offered:

Course Code	Course Title	Hrs.
CBK 001	Bee Keeping – Present Scenario & Prospects, Commercial Bee Keeping	16
CBK 002	Identification of Flora and location of sites, Use of Bee Boxes and other Too	16
CBK 003	Building of Comb and Month wise Calendar wise operations	16
CBK 004	Production of Honey and Managing Insects and Diseases	16
CBK 005	Harvesting, Processing and Preservation of Honey and Costing, Pricing, Packaging & Marketing of Honey	16
	Total	80

Examination Scheme:

Components	CT	HA	C	V	A	EE
Weightage (%)	10	5	5	5	5	70

(C - Case Discussion/ Presentation; HA - Home Assignment; V - Viva; CT- Class Test; A - Attendance; EE - End Examination)

Syllabus

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Course Content

CBK: Bee Keeping

Theory

Unit- I: Bee Keeping – Present Scenario & Prospects, Commercial Bee Keeping

Present scenario and prospects for bee keeping, Requirements of Commercial Bee Keeping. Pit falls in Bee Keeping. Honey Bees and Honey –Types and classification Different species and races of honey bees. Specific Characteristics and suitability for geographic condition.

Unit- II: Identification of Flora and location of sites, Use of Bee Boxes and other Tools

Climatic requirement of different bee species. Preparation of flowering calendar. Description and demonstration of use of different boxes. Cleaning of boxes. Other tools in Bee Keeping.

Unit- III: Building of Comb and Month wise Calendar wise operations

Building of comb and colony. Division of colony, Raw produce generated by different life stages of bees, Drawing details of activities month wise

Unit- IV: Production of Honey and Managing Insects and Diseases

Effect of nectar and pollen properties on honey production. Colony management during honey flow and dearth period. Common pests that attack honey bees and hives• Management of nuisance in Bee hives

Unit- V: Harvesting, Processing and Preservation of Honey and Costing, Pricing, Packaging & Marketing of Honey

Methods of harvesting honey, Processing of honey, Preservation of honey, Methodologies adopted for costing, pricing, Packaging and labeling & branding Marketing Management

Practical:

Capturing of colony and starting up of Apiary. Introduction of different stages in life cycle of Honey bees. Bee keeping unit - Handling of frames with colonies. Introduction of parts of Bee box & Tools used in Bee keeping. Colony inspection, maintenance. Identification of Queen cells, Drone cells & Brood. Sugar feeding of colonies in scarcity period. Identification of swarming tendency in a colony. Bee flora. Extraction of Honey using Honey extractor, moisture reduction, packing and storing of Honey. Disease management. Preventive and control measures of the diseases.