Shri Vaishnav Vidyapeeth Vishwavidyalaya

Shri Vaishnav Institute of Agriculture, Indore

Generic Elective Course

SEMESTER-VIII

S. No.	Course Code	Course Name	EVALUATION SCHEME								
			Theory			Practical		Credit			Total Marks
			End Sem University Exam	Mid Term Exam	Teachers Assessment*	End Sem University Exam	Teachers Assessment*	Theory	Practical	Sub total	
1	AGGE801	Beneficial Insects for Agriculture	60	20	20	00	00	4	0	4	100
									Total	4	100

(Prof. Vinod Dhar)
Chairperson
Board of Studies
SVIAg. SVVV, Indore (M.P.)

(Dr. K. N. Guruprasad)
Dean
Faculty of Agriculture
SVVV, Indore (M.P.)

(Dr. Shishir Jain)
Controller of Examination
SVVV, Indore (M.P.)

(Dr. Arvind Singh)
Registrar
SVVV, Indore (M.P.)

(Prof. (Dr.) Upinder Dhar)
Vice Chancellor
SVVV, Indore (M.P.)

Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Shri Vaishnav Institute of Agriculture

B.Sc. (Hons) Agriculture

Generic Elective Course											
SEMESTER-VIII											
S. No.	Course Code	Course Name	EVALUATION SCHEME								
			Theory			Practical		Credit			Total Marks
			End Sem University Exam	Mid Term Exam	Teachers Assessment*	End Sem University Exam	Teachers Assessment*	Theory	Practical	Sub total	
1.	AGGE801	Beneficial Insects for Agriculture	60	20	20	00	00	4	0	4	100
									Total	4	100

Objectives: To study the importance of beneficial insects in agriculture.

Outcomes:

1. Student should know about the beneficial insects commercially along with its use in pest control.

Theory

Unit-1: Importance of beneficial Insects, Beekeeping and pollinators, bee biology, commercial methods of rearing, equipment used, seasonal management, Bee pasturage, bee foraging and communication. Insect pests and diseases of honey bee. Scope and importance of apiculture.

Unit-2: Scope and importance of sericulture. Types of silkworm, voltinism and biology of silkworm. Mulberry cultivation, mulberry varieties. Methods of harvesting and preservation of leaves. Rearing appliances of mulberry silkworm.

Unit-3: Scope and importance of lac culture. Species of lac insect, biology, identification of host plant, lac production, Types of lac-seed lac, button lac, shellac, lac products, uses of lac.

Unit-4: . Identification of major parasitoids and predators commonly being used in biological control. Important insect orders bearing predators and parasitoids which is used in pest control in agricultural crops.

Unit-5: Identification of different natural enemies in relation to pest control in agriculture. Important species of pollinators, weed killers and scavengers with their importance. Role of insect pollinators in cross pollinated plants.

References

1. Vasantharaj David, B.,andV.V.Ramanamurthy, 2003. Elements of Economic Entomology. Popular BookDepot, Coimbatore.

2. Ganga, G. and Sulochana Chetty, J 1997 (2nd edt). An introduction to Sericulture .Oxford and IBH PublishingCo. Pvt Ltd., New Delhi

3. Hisao Aragu 1994.Principles of Sericulture. Oxford and IBH Publishing Co. Pvt Ltd., New Delhi

4. Glover P M 1937. Lac cultivation in India, The Indian Lac Research Institute, Ranchi

5. Mishra R C 1995. Honey bees and their management in India. ICAR, New Delhi.

(Prof. Vinod Dhar)	(Dr. K. N. Guruprasad)	(Dr. Shishir Jain)	(Dr. Arvind Singh)
Chairperson	Dean	Controller of Examination	Registrar
Board of Studies	Faculty of Agriculture	SVVV, Indore (M.P.)	SVVV, Indore (M.P.)
SVIAg, SVVV, Indore (M.P.)	SVVV, Indore (M.P.)		