

Semister- 3rd SEM GENERAL, Department of Zoology, Basirhat College
Session- 2020-2021

Lesson Plan for Course:... Insect, Vectors and Diseases..... Code: ZOOGCOR03T.....

Credit: 4.....

- Course coordinator: **UDAY HOSSAIN**
- Course Outcome
 - ✓ CO1: To gain Knowledge about various insects and their characteristics.
 - ✓ CO2: To understand mechanism of transmission of various diseases causing parasite via insects.
 - ✓ CO3: It helps to improve awareness among students regarding disease transmitting insects and how to prevent spread and transmission of disease.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
Jul	Unit 1: Introduction to Insects	Uday Hossain		
	General Features of Insects		1	Theoretical, Powerpoint
Aug	Unit 1: Introduction to Insects	Uday Hossain		
	Morphological features, Head – Eyes		1	Theoretical, Powerpoint,
	Types of antennae,		1	Theoretical, Powerpoint,
	Mouth parts with respect to feeding habit		2	Theoretical, Powerpoint, suggestive question in google classroom
	Class test		1	QUIZ in Google classroom
	Unit 2: Concept of Vectors	Uday Hossain		
	Brief introduction to Vectors (mechanical and biological),		1	Theoretical, Powerpoint
	Reservoirs, Host-vector relationship		2	Theoretical, Powerpoint
	Adaptations as vectors		1	Theoretical, Powerpoint
	Host specificity		1	Theoretical, Powerpoint, suggestive question in google classroom
	Class Test		1	QUIZ in Google classroom
Sep	Unit 3: Insects as Vectors	Uday Hossain		
	Detailed features of insect orders as		2	Theoretical,

	vectors – Diptera			Powerpoint
	Detailed features of insect orders as vectors – Siphonoptera,		1	Theoretical, Powerpoint
	Detailed features of insect orders as vectors – Siphunculata,		1	Theoretical, Powerpoint
	Detailed features of insect orders as vectors – Hemiptera		2	Theoretical, Powerpoint, suggestive question in google classroom
	Class test		1	QUIZ in Google classroom
	Unit 4: Dipteran as Disease Vectors	Uday Hossain		
	Study of important Dipteran vectors – Mosquitoes, Sand fly, Houseflies		3	Theoretical, Powerpoint
			1	Theoretical, Powerpoint
				Theoretical, Powerpoint
Oct	Unit 4: Dipteran as Disease Vectors	Uday Hossain		Theoretical, Powerpoint
	Study of mosquito-borne diseases – Malaria, Dengue, Chikungunya, Viral encephalitis, Filariasis Control of mosquitoes		3	Theoretical, Powerpoint, suggestive question in google classroom
	Class test		1	QUIZ in Google classroom
	Unit-5 Siphonaptera as Disease Vectors	Uday Hossain		
	Fleas as important insect vectors		1	Theoretical, Powerpoint
	Host-specificity		1	Theoretical, Powerpoint
	Study of Flea-borne diseases – Plague, Typhus fever; Control of fleas		1	Theoretical, Powerpoint, suggestive question in google classroom
	Assessment: Mid-term Test			ONLINE
Nov	Unit-5 Siphonaptera as Disease Vectors	Uday Hossain		
	Study of Flea-borne diseases – Plague, Typhus fever; Control of fleas		1	Theoretical, Powerpoint
	Class Test		1	QUIZ in Google classroom
	Unit-6 Siphunculata as Disease Vectors			

	Human louse (Head, Body and Pubic louse) as important insect vectors		1	Theoretical, Powerpoint
Dec	Unit-6 Siphunculata as Disease Vectors	Uday Hossain		
	Human louse (Head, Body and Pubic louse) as important insect vectors		1	Theoretical, Powerpoint
	Control of human louse		1	Theoretical, Powerpoint, suggestive question in google classroom
	Class test		1	QUIZ in Google classroom
	Unit-7 Hemiptera as Disease Vectors	Uday Hossain		
	Bugs as insect vectors		1	Theoretical, Powerpoint
	Blood-sucking bugs; Chagas disease		1	Theoretical, Powerpoint
	Bed bugs as mechanical vectors		1	Theoretical, Powerpoint
	Control and prevention measures		1	Theoretical, Powerpoint, suggestive question in google classroom
	Class Test		1	QUIZ in Google classroom
	Assessment: End-term Test		Total: 40 Hrs	ONLINE

Resources :

1. Books: Graduation Zoology for WBSU (Ghosh and Santra), Essential Medical Parasitology (Apurba S. Sastry)
2. Other resources : Wikipedia, YouTube video link, ebooks

*Remarks will specify

- The nature of the class-topic (viz. Theoretical, Practical, and Tutorial).
- Methodology of teaching (whether using ICT, engaging students in group discussion, quiz etc. etc.)
- Different modes of assessment. (Please check UGC evaluation reforms).

For CBCS courses

