## DEPARTMENT OF ZOOLOGY

A Brief Activity Report on "One Day Workshop on Chronobiology" organized by Department of Zoology, Vidyanagar College, Amtala, 24 PGs (S), West Bengal, India, as an exchange program against signed MOU between Department of Zoology, City College, Kolkata and Department of Zoology, Vidyanagar College, Amtala, 24 PGs (S), West Bengal, India

(ACCREDITED E Vidyanagar, P.O Ch Pin - 743 503, Phone - (	GAR COLLEGE BY NAAC AND GRADED 'B+') marashyamdas, South 24 Parganas 033) 2495 9218, West Bengal, INDLA il.com, Website : www.vidyanagarcollege.net
Ref. No. :	Date: 24.05 2023
То	
Dr. Debasish Karmakar	
H.O.D, Dept of Zoology	
City College,	
102/1 Raja Rammohon Sarani	
Kolkata – 700009	
Sub: Invitation for a invitee lecture or Dear Sir,	
As part of MoU with your college we as our college on 26.05.2023 Friday.	re inviting you for a special class on Ethology at
Hence it will be a great pleasure to inv students of Zoology in our college.	ite you for a special class on Ethology with the
Thanking you.	
Date: 24.05.2023	Your singerely Principal
	Vidyanagar College
	Dr. S. P. Agarwata
	Principal Vidyanagar College South 24 Parganas

	Vidyanagar College
	Dept. of Zoology
	Attendance sheet
	Date- 26.05.2023
Serial Number	Signature of the participant
1.	Parramita Adak
2.	Labori Noskar
3.	Ponisha Mondal
4.	Niladri Bhattacharya
5.	Brity Soverg
6.	Mousumi Lao
7.	Mousumi Dewan
в.	Ancoesha samanta
9.	Sudipta Kirtan
10.	Rimi Mondal
11.	Chipan Jana
12.	Ankana Das
13.	SK Abdal Chab

Li.5.23 Dept. of Zoology Vidyanagar College P.O.- Charashyamdas, South 24 Pgs.

GPA 26.5.23

Dr. S. P. Agarwala Principal Vidyanagar College South 14 Pargapas

## Workshop on "Chronobiology"

For Students of 6<sup>th</sup> Semester Zoology Honours of Vidyanagar College Organized by Department of Zoology, Vidyangar College

> Date: MAY 26th, FRIDAY, 2023 Time: 12.00 pm onwards



## SPEAKER

Dr. Debasish Karmakar Assistant Professor Department of Zoology City College 102/1,Raja Rammohan Sarani, Kolkata-700009, West Bengal

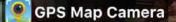
An endeavour as a part of Academic Memorandum of understanding between Dept. of Zoology, Vidyanagar College and Dept. of Zoology, City College

A Date of Workshop:	26/05/2023 (Friday) – 12:00 Noon Onwards
Place of Workshop:	Department of Zoology, Vidyanagar College,
	Amtala, 24 PGs (S), West Bengal, India
* Resource Person:	Dr Debasish Karmakar, Assistant Professor
	in Zoology, City College, Kolkata
No. of Participants:	14 (Semester – VI, Zoology Honours
	Students of Department of Zoology,
	Vidyanagar College, Amtala, 24 PGs (S),
	West Bengal, India)

## <u>Summary</u>

This "One Day Workshop on Chronobiology" was organized as a part of the MoU signed between the Department of Zoology, City College, Kolkata and the Department of Zoology, Vidyanagar College, Amtala, 24 PGs (S), West Bengal, India, to enlighten the students of Semester - VI, Zoology Honours, Department of Zoology, Vidyanagar College, Amtala, 24 PGs (S), West Bengal, India, on various aspects of theoretical as well as hands-on practical components of their academic curricula of the Paper - ZOOA-DSE(B)-6-1 [Animal Behaviour and Chronobiology]. Dr Debasish Karmakar, Assistant Professor, Department of Zoology, City College, Kolkata, extended his around 3 hours long deliberation on the following topics - 1. Patterns of Animal Behaviour - a General Account; 2. Sexual Dimorphism and Mate Selection in Pea-Fowl; and 3. Male-Male Rivalry in Red Deer and demonstrated some hands-on training on 1. The behavioural responses of wood lice to dry and humid conditions; 2. The study of the Geotaxis behaviour in earthworm; and 3. The study of the Phototaxis behaviour in insect larvae. The students felt delighted to attend this day-long workshop on Chronobiology and expressed their heartfelt satisfaction towards the popular and lucid deliberation, delivered by Dr Karmakar. This kind of collaborative exchange programmes are always truly beneficial for both the participating institutes.

	PART III: SEMESTER	6	
DS	E1. Animal Behaviour and Chron	nobiology	
	ZOOA-DSE(B)-6-1-TH	C	
Full Marks 50		4 Credits	50 Hours
Unit 1: Patterns of Behaviour			10
	tation, Reflex); Individual Behaviou stative learning, classical and operant		
Unit 2: Social and Sexual Behaviour			20
		and the second	
Sexual Behaviour: Sexual dime rivalry in red deer) Animal Behavio	orphism, Mate choice in peacock, In our and Chronobiology Lab,	ZOOA-DSE(B)-6-1-	P
Sexual Behaviour: Sexual dime rivalry in red deer) Animal Behavio Full Marks 50			P
rivalry in red deer) Animal Behavie Full Marks 50 List of Practical 1. To study nests and nesti 2. To study the behavio only).	our and Chronobiology Lab, 60 Hours ng habits of the birds and social insects bural responses of wood lice to d	ZOOA-DSE(B)-6-1- 2 Credits	
Sexual Behaviour: Sexual dime rivalry in red deer) Animal Behavio Full Marks 50 List of Practical 1. To study nests and nesti 2. To study the behavio only). 3. To study geotaxis behav 4. To study the phototaxis 5. Visit to Forest/ Wild life animals and prepare a sl	our and Chronobiology Lab, 60 Hours ng habits of the birds and social insects bural responses of wood lice to d viour in earthworm. behaviour in insect larvae. c Sanctuary/Biodiversity Park/Zoologic	ZOOA-DSE(B)-6-1- 2 Credits ry and humid conditions(d cal Park to study behavioura	lemonstration 1 activitics of



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Some Glimpses of "One Day Workshop on Chronobiology" at Department of Zoology, Vidyanagar College, Amtala, 24 PGs (Sonth), West Bengal, India