Session: ..JULY -DEC Department of.....ZOOLOGY... Basirhat College Semester:...V...

Lesson Plan for Course: DSE Code...... ZOOADSE01T ... Credit......4

- Course Outcome
 - ✓ CO1:Upon completion the course the students will learn different types of animal behavior and its application
 - ✓ CO2: Undarstand prosses of chronobiology in animal world

 - ✓ CO3: Learn about biological rythem.
 ✓ CO4: Enhancing their observation power and analyzation ability.

Course planner

Sl	Course Topic	Teacher	Class-hour	Remarks*
Jul				
28th	Unit 1: Introduction to Animal	RAJASHREE	8	Online using
	Behaviour	MALLICK		google meet
29th	A brief history of animal behaviour	RM		Online using
	studies including the works of Fabre,			google meet
	Darwin, Von Frisch, Lorenz,			
	Tinbergen,			
30th	A brief history of animal behaviour	RM		Online using
	studies including Jane Goodal, Biruté			google meet
	Galdikas, Dian Fossey, Salim Ali,			
	Gopal Bhattacharyya, M. K.			
	Chandrashekhar, Raghavendra			
	Gadagkar			
A				
Aug	The chiestines of medical control	DM		Online weige
4th	The objectives of modern animal	RM		Online using
	behaviour studies: Tinbergen's four			google meet
5th	questions Methodo of studying haboriouss.	RM		Online weige
Sui	Methods of studying behaviours:	KIVI		Online using
6 TH	Observation vs Watching Ad libitum observations, Focal animal	RM		google meet Online using
0	studies, Instantaneous scan, etc.	KIVI		
12 th	Class exam	RM		google meet Online using
12	Class exam	IXIVI		google meet
13th	Branches of Animal Behaviour	RM		Online using
13111	Studies	IXIVI		google meet
18th	Unit 2: Behaviours of Individuals	RM	12	Online using
10111	Cint 2. Denaviours of murviduais	KWI	12	google meet
19th	Practical	RM		Making a project
17111	1 Inchedi	1000		with online small
				group
20th	Class exam	RM		Online using
				google meet
21th	Reflexes and Orientations	RM		Online using
				google meet
26th	Reflexes and Orientations	RM		Online using
				google meet
27 th	Exam	RM		Online using
				google meet
Sep				Online using
-				google meet

3rd	Instinct	RM		Online using
Siu	Instinct	KIVI		_
041-	Learning, Learning and other	RM		google meet
8th	Learning: Imprinting and other	KM		Online using
0.1	Programmed Learning	DM		google meet
9th	Habituation, Innovations	RM		Online using
10.1	D .: 1	DM		google meet
10th	Practical	RM		Online
				demonstration
1 7 .1		D14		using google meet
15th	Cultural Transmission / Social	RM		Online using
1.6.1	Learning	D14		google meet
16th	Practical	RM		Online using
22.1	77.4.2.2.1.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2	77.7		google meet
22th	Unit 3: Social and Sexual Behaviour	RM	9	Online using
				google meet
23th	Concept of Sociality, Types of animal	RM		Online using
	Society with examples			google meet
24th	Altruism	RM		Online using
				google meet
29th	Communications in animals- different	RM		Online using
	types			google meet
30th	Insects' society with Honey bee as	RM		Online using
	example			google meet
Oct				
1st	Foraging in honey bee and	RM		Online using
	advantages of the waggle dance.			google meet
	and the state of the state of the state of			
5th	Sexual Behaviour: Asymmetry of sex,	RM		Online using
Jui	Sexual Bellaviour. Asymmetry of sex,	IXIVI		google meet
6th	Sexual dimorphism, Mate choice,	RM		Online using
Oth	Intra-sexual selection	KIVI		google meet
7th	Inter-sexual selection (female choice),	RM		Online using
/ 111	Sexual conflict in parental care	KIVI		google meet
13th	Unit 4: Introduction to Chronobiology	RM	4	Online using
1311	Oint 4. Introduction to Chronobiology	IXIVI	•	google meet
	1 Historical dayslanmants in			googie meet
	1. Historical developments in chronobiology			
1.4+b	Ç.	DM		Online veine
14th	Biological oscillation: the concept of	RM		Online using
	Aggaggment, Mid. torm Tost	DM		google meet Online using
	Assessment: Mid-term Test	RM		C
				google meet
				Online using
1 5 /1.	Distance assistance the server of	DM		google meet
15th	Biological oscillation: the concept of	RM		Online using
2041	Average, amplitude, phase and period	DM		google meet
20th	Adaptive significance of biological	RM		Online using
	clocks			google meet
Nov				
18^{th}	Unit 5: Biological Rhythm Types and	RM	11	Online using
	characteristics of biological rhythms			google meet

Semester:...V... Department of.....ZOOLOGY... Basirhat College Session: ..JULY -DEC

			Total 44	
10th	Practical	RM		Online using google meet
9 th	Role of melatonin	RM		Online using google meet
8 th	Practical	RM		Online using google meet
3rd	Photoperiod and regulation of seasonal reproduction of vertebrates	RM		Online using google meet
2 nd	Circannual rhythms	RM		Online using google meet
1 st	Practical	RM		Online using google meet
Dec				Online using google meet
26th	Practical	RM		Online using google meet
25 th	Photic and non-photic zeitgebers	RM		Online using google meet
24 th	Concept of synchronization and masking	RM		Online using google meet
	Circadian rhythms; Tidal rhythms and Lunar rhythms			google meet
19 th	Short- and Long- term rhythms;	RM		Online using

Resources:

- 1. Books: An Introduction to Animal Behaviour by Manning and Dawkins; 5th Ed. Cambridge Univ. Press
- 2. Animal Behavior_ An Introduction to Behavioral Mechanisms, Development, and Ecology
- 3. Other resources: Wikipedia
- 4. PPT.