

A Brief Activity Report on Bird Watching and Behaviour Study at Santragachhi Jheel, Howrah, West Bengal, India



Nature of work: One-day educational tour on bird watching and behaviour study

Date of Visit: 17.01.2024 (Wednesday) – from 09.00 AM to 02:00 PM

Place of Visit: Santragachhi Jheel, Howrah, West Bengal, India

Organizer: Department of Zoology, THK Jain College, Kolkata
and City College, Kolkata (Jointly organized under MoU)

Under the Guidance of: Dr Saiful Anam Mir, Assistant Professor in Zoology, City College, Kolkata
Dr Pubali Mitra, Assistant Professor in Zoology, City College, Kolkata
Dr Soumen Roy, SACT-1 in Zoology, City College, Kolkata
Mr Ritayan Roy, Assistant Professor in Zoology, THK Jain College, Kolkata
Mr Arijit Das, Assistant Professor in Zoology, THK Jain College, Kolkata
Mrs Alice D' Rozario, Assistant Professor in Zoology, THK Jain College, Kolkata

Relevant Part of the Syllabus

Chordata Lab; ZOOA-CC-3-5-P

Full Marks 30	60 Hours	2 Credits
List of Practical		
Identification with Reasons		
a) Protochordata: <i>Balanoglossus</i> , <i>Branchiostoma</i>		
b) Agnatha: <i>Petromyzon</i>		
c) Fishes: <i>Scoliodon</i> , <i>Sphyrna</i> , <i>Pristis</i> , <i>Torpedo</i> , <i>Mystus</i> , <i>Heteropneustes</i> , <i>Labeo rohita</i> , <i>Exocoetus</i> , <i>Hippocampus</i> , <i>Anabas</i> , Flat fish		
d) Amphibia: <i>Necturus</i> , <i>Bufo</i> (<i>Duttaphrynus</i>) <i>melanostictus</i> , <i>Rana</i> (<i>Hoplobatrachus</i>) <i>tigerinus</i> , <i>Hyla</i> , <i>Tylotriton</i> , Axolotl larva		
e) Reptilia: <i>Chelone</i> , <i>Trionyx</i> , <i>Hemidactylus</i> , <i>Varanus</i> , <i>Calotes</i> , <i>Chamaeleon</i> , <i>Draco</i> , <i>Vipera</i> , <i>Naja</i> , <i>Hydrophis</i> ,		
f) Mammalia: Bat (Insectivorous and Frugivorous), <i>Fimambulus</i> (Indian Palm squirrel)		
Dissection of brain and pituitary – <i>ex situ</i> , digestive and Urino-genital system of <i>Tilapia</i>		
Pecten from Fowl head		
Power point presentation on study of habit, habitat or behaviour of any one animal by student – for internal assessment only		



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CITY COLLEGE

Affiliated to the University of Calcutta
102/1, Raja Rammohan Sarani, (Amherst Street)
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Office : 033 2360 7463, E-mail : principal.citycollege@gmail.com
Website : www.citycollegekolkata.org

NOTICE

It is hereby notified that an Educational Tour, related to **"Bird Watching & Behaviour Study"** with the 25 students of Semester - III; Zoology (Hons.; CBCS), 2023, City College, Kolkata, will be jointly conducted with THK Jain College, Kolkata, as a part of MoU signed between the Zoology Departments of both the colleges, obeying CU Curricula (Paper - CC-3-5 & Paper DSE-B-6-1; CBCS), under the supervision of Dr Saiful Anam Mir, Dr Pubali Mitra, Assistant Professors in Zoology and Dr Soumen Roy, SACT - 1 in Zoology, on behalf of Dept. of Zoology, City College, Kolkata, on **17/01/2024 (Wednesday)** at Santraagaachhi Jheel, Jawaagaachhaa, Howrah, 09:00 AM onwards.

Students are instructed to meet in front of the **Western Part of Santraagaachhi Railway Station (Near the Preserved Steam Engine)**, at **08:15 AM** and they are also instructed to bring the following items with them

1. Notebook
2. Pen/Pencil
3. Biology Box
4. Drinking Water
5. Cap/Umbrella (Optional)
6. Camera (Optional)
7. Binocular (Optional)

Sital Prasad Chatterjee 11/01/24
DR SITAL PRASAD CHATTERJEE
CITY COLLEGE
KOL-9

DR DEBASISH KARMAKAR
Head, Department of Zoology
City College, Kolkata-700009





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GST No. 19CALC00619D1DE

Ref. No. 845/THK

Date 11/01/2024

To
The Principal,
THK Jain College
6 Ram Gopal Ghosh Road, Cossipore
Kolkata - 700 002

Sub: Acceptance for an educational tour for "BIRD WATCHING & BEHAVIOUR STUDY", at Saaantraagaachhi Jheel, Howrah, will jointly be conducted on 17/01/2024, by the Departments of Zoology THK Jain College, Kolkata and City College, Kolkata, under MoU, signed between the two organizations

Dear Sir/Madam,

In response to your email received on 11/01/2024 at 01:14 PM, the undersigned would like to accept your proposal, obeying the above mentioned subject. Detailed program schedule will be intimated to both the colleges, in accordance.

A number of 25 students of Semester - III; Zoology (Honours) and 3 Faculty Members from Department Zoology, City College, Kolkata, will join the said tour on said date, time and venue. Heartfelt good wishes are there for always from the part of the undersigned to meet the goal for this educational collaboration.

Thanks, in anticipation.

Yours truly,

Sital Prasad Chattopadhyay
DR SITAL PRASAD CHATTOPADHYAY

Principal
CITY COLLEGE
KOL-9



Debasish Karmakar
DR DEBASISH KARMAKAR

Head, Department of Zoology
City College, Kolkata-700009



Copy to:

1. The HOD, Zoology, THK Jain College, Kolkata



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GST No. : 19CALC00619D1DE

DEPARTMENT OF ZOOLOGY SEMESTER- III (Honours)

Bird Watching and Behavior Study at Santragachi Jheel, Howrah dated 17.01.2024

Name of the Student	Roll No	Signature
Nisar Ahmed	221002	
Swarnadwip Mukherjee	221006	
Debjit Sardar	221012	Debjit Sardar
Md Shamim	221013	
Soumyadwip Santra	221019	Soumyadwip Santra
Rahul Das	221021	Rahul Das
Kishan Sarkar	221023	Kishan Sarkar
Shaswata Kirtania	221024	Shaswata Kirtania
Sayan Kar	221028	Sayan Kar
Md Saif Alam	221029	Md. Saif Alam
Soham Banerjee	221031	Soham Banerjee
Abdul Rahim Ansari	221032	
Joydeep Das	221033	Joydeep Das
Pijush Majhi	221034	Pijush Majhi
Puja Mondal	221102	Puja Mondal
Payel Das	221108	Payel Das
Heraa Jamil	221111	Heraa Jamil
Ankita Neogi	221113	Ankita Neogi
Sathi Ghosh	221114	Sathi Ghosh
Susmita Mondal	221116	Susmita Mondal
Khushi Kumari	221120	Khushi Kumari
Samannita Chatterjee	221121	Samannita Chatterjee
Diya Roy	221122	Diya Roy
Sonali jana	221125	Sonali Jana
Sayani Mukherjee	221126	Sayani Mukherjee

Name of the Teacher	Signature
Dr Saiful Anam Mir	Saiful A. Mir 17/1/24
Dr Pubali Mitra	Pubali Mitra 17.01.24
Dr Soumen Roy	Soumen Roy 17/01/24

RITAYAN ROY
Anirjit Das
ALICE RAVEENA BIRJARAIO

R. Roy 17-1-24
Ajit 17/1/24
Alice R. Birjaraio 17/1/24





TARADEVI HARAKH CHAND KANKARIA JAIN COLLEGE

(Affiliated To University of Calcutta & Accredited By NAAC, Recognized under Section 2(f) of UGC Act, 1956)
(A Self-financed Govt. approved Minority Institution run-under the auspices of Shree S.S Jain Sabha)
6, Ram Gopal Ghosh Road, Cossipore, Kolkata-700002
Tel.: 033 2532 6056, Fax: 033 2546 8008

DEPARTMENT OF ZOOLOGY

Date: 17.01.2024

One day educational tour to Santragachi Jheel organised by T.H.K Jain College,
Department of Zoology in collaboration with City College, Department of
Zoology according to MOU between these two Departments

Attendance for Teaching and Non-Teaching staffs of City College		
Sl.No.	Name	Designation
1.	Saiful A. Miu	Asst. Prof.
2.	Dr. Pubali Mitra	Assistant Professor
3.	Soumen Roy	SACT-1
Attendance for Teaching and Non-Teaching staffs of T.H.K Jain College		
Sl.No.	Name	Designation
1.	Ritayan Roy	H.O.D
2.	Arijit Das	AP
3.	Abir K. D' Souza	AP
4.	Digant Kumar Chatterjee	Non-teaching staff

Sam
15/01/2024
Head, Department of Zoology
City College, Kolkata-700002
ZOOLOGY DEPT.
Cossipore
CITY COLLEGE

LIST OF BIRDS OBSERVED

1. Lesser Whistling Duck
2. Garganey (female)
3. Eurasian Collared Dove
4. Spotted Dove
5. Greater Coucal
6. Asian Palm Swift
7. Eurasian Moorhen
8. White breasted Waterhen
9. Bronze Winged Jacana
10. Little Cormorant
11. Indian Cormorant
12. Cinnamon Bittern
13. Yellow Bittern
14. Indian Pond Heron
15. Eastern Cattle Egret
16. Purple Heron
17. Black Kite
18. Spotted Owlet
19. White throated Kingfisher
20. Asian Green Bee eater
21. Black rumped Flameback
22. Black hooded Oriole
23. Black Drongo
24. Brown Shrike
25. Rufous Treepie
26. House Crow
27. Common Tailorbird
28. Plain Prinia
29. Barn Swallow
30. Red Vented Bulbul
31. Jungle Babbler
32. Indian Pied Starling
33. Common Myna
34. Jungle Myna
35. Oriental Magpie Robin
36. Purple Sunbird
37. House Sparrow



Group photo



Lesser whistling duck



Black hooded oriole



Purple sunbird



Bronze winged jacana



Brown shrike



Common moorhen



Common tailor bird



White breasted waterhen



Spotted owl

Brief descriptions: The Santragachi Jheel is a 13,750,000 ft² lake in Howrah, located next to the Santragachi railway station that attracts many migratory birds during the winter months. The lake is a good place for birds to breed and stay for the entire winter season. The number of migratory birds has been increasing every year because the lake is an ideal habitat for them. The Forest Department of West Bengal and the South Eastern Railway maintain the lake and its surroundings.

Bird watching among the students, develop a connection with nature, promotes mindfulness, and encourages environmental awareness. It provides a constructive hobby, enhancing observation skills and patience while promoting a sense of responsibility towards wildlife conservation. Additionally,

bird watching can inspire a lifelong appreciation for biodiversity and environmental stewardship. Besides this, bird watching is also an important branch of citizen science, who can contribute a lot in recording the migration of birds and biodiversity of various regions throughout the world.

This educational tour was organized to enhance the sense of wildlife convention, environmental relatedness, and biodiversity awareness of the local and migratory aquatic birds to the 3rd SEM Zoology Hons students our college. The study was started at 9 am on 17/01/2024, Prof. Ritayan Ray of Zoology Department of T.H.K. Jain College (Our MoU partner) and other teachers discussed about various local and migratory birds and the importance of the environmental setup of the Santragachhi Jheel for migratory birds. The aquatic hyacinth islands in the water body are used for birds roosting and nesting after foraging for food. It was stated that an unscientific clean-up of aquatic hyacinth island from the water body has damaging effects on the habitats of migratory birds. We observed around 40 different birds such as Lesser Whistling Duck, Eurasian Moorhen, Cinnamon Bittern, Greater Coucal, etc. All the students actively participated with a great interest in observing the birds discussing the common identifying features of the birds and knowing about the importance of the aquatic plants in a water body for bird foraging, roosting and breeding.