

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI II NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

15/05/2021

NOTICE

All students are hereby informed that the Department of Zoology is offering a value added course of 30 hours duration , 2 credits entitled "BASICS OF CONCHOLOGY". The course will commence from 18th May, 2021 and will be online. It includes sessions, assignment, virtual field trip to sea shore and evaluation. Course details are available in the attached brochure. Attendance for every session and timely submission of assignment are essential for a student to avail a course completion certificate and two credits for the same.

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RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA



(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)
Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.
Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel No: +91 22 25151763 Fax No: +91 22 25150957

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<u>Department of Zoology</u> VALUE-ADDED COURSE- 2020-21

Name of the Course: BASICS OF CONCHOLOGY

Course Code: RJZOOC01

Course Credits: 02

Course Duration: 1 week (6 days/30 hrs) Conducted from 18th May to 23rd May 2021.

Mode: Online on Zoom Platform

Course In-charge: Prof. Deepak Poojary, Field Tour: Prof. Sagar Gavas

Course Structure: 2 hrs/day online lectures.

Assignments based on the lecture

Virtual Field visit

Evaluative test

Course Objectives:

1. To teach identification of molluscan shells.

2. To create interest in field and taxonomic studies.

Course Outcomes:

1. The learner will be able to identify different types of shells.

2. The learner will get information on the taxonomy of shells.

3. The learner will be able to work as field guide on sea shore trips.

4. The learner will be able to identify aesthetic, medicinal and economic value of shells.

Evaluation scheme:

4 assignments of 10 mks each (4X10=40 mks)

Field report: 20 mks

MCQ based test: 30 mks

Student attendance and participation: 10 marks

Head, Department of Zoology

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RAMNIRANIA JAUNININIALA COLLEGE OF ARTS, SUPNIE COMMERCE AUTONOMOUS) Ghetkoper (vr), Mumbel-400 036, Mahareshira, INDIA



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Course Syllabus

Day & Date	Lecture Topic and Time	Evaluation strategy & student engagement	
Tuesday 18.05.2021	Introduction to marine topography & shore morphology 10.00am-12.00pm = 2hrs	Assignment 1: 3hrs	
Wednesday 19.05.2021	Gastropod shells and shell types with selective families & Practical observation 10.00am-12.00pm = 2hrs	Additional reading of research articles & Assignment 2: 3 hrs	
Thursday 20.05.2021	Bivalve shells and shell types with selective families & Practical observation 10.00am-12.00pm = 2hrs	Additional reading of research articles & Assignment 3: 3 hrs	
Friday 21.05.2021	Study of rare & endangered shells and Techniques of shell preservation 10.00am-12.00pm = 2hrs	Assignment 4: 3 hrs	
Saturday 22.05.2021	Documentary screening 10.00-11.00 am= 1 hr Virtual field visit Dadar shore College museum 11.00am-12.30pm= 1 ½ hr	Review writing: 2 hrs Referencing and Report writing on Field visit: 3 hrs	
Sunday 23.05.2021	Aesthetic & Cultural significance of shells Shell myths 10.00- 12.00 pm= 2hrs	Preparation time for test & MCQ test: 3 hrs	
Total duration	Lectures: 10 ½ hrs	Additional readings, assignments & Continuous Evaluation: 20 hrs	

Head, Department of Zoology



COLLEGE Ghatkopar (W), Mumbul-400086, Maharashtra, INDIA

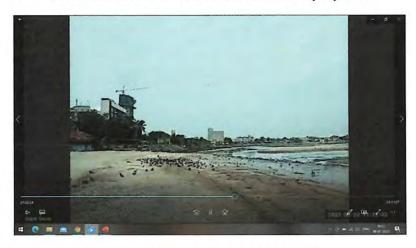


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VIRTUAL FIELD TRIP -DADAR SEA SHORE-22/05/2021



Resource Person Mr Sagar Gavas



Shell Diversity



CE & COMMERCE (AUTONOMOUS) umbai-400 086, Maharashtra, INDIA

Head Dept. of Zoology

2019: Star College Status by DBT

accredited

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence for the year 2009
2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College
2013 & 2014: 'Jagar Jaanivancha Award' by Govt, of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013
2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)



(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Chatkonar Pailway Station, Chatkonar (West), Mumbai 400086, Maharashtra, INDIA.

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Department of Zoology

EVENT: VIRTUAL FIELD TRIP

INCHARGE: Mr. Sagar Gavas (on the field expert) DAY AND DATE: Saturday, 22 nd May,2021

TIME: 10.00am onwards

VIRTUAL FIELD VISIT LOCATION: Dadar Seashore

ONLINE PLATFORM: ZOOM

NO. OF BENEFICIARIES: 57 Students.

BRIEF REPORT:

A virtual field trip was organized by the department of Zoology. Mr. Sagar Gavas, lecturer, visited the Dadar Seashore in person. He connected with the students via online Zoom platform. He showed the students the characteristic of the shore and showed the animals present on the shore. The students could understand the difference between sandy, rocky and muddy shore. On this virtual tour he showed the students different shells scattered along the sandy shore. It was a unique experience for the students to not only visit the shore virtually but also to identify impromptu the shells found therein.

Head, Department of Zoology.

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NOTICE FOR S.Y.B.Sc ZOOLOGY STUDENTS

2020-21

Field trips are an essential part of the Zoology curriculum. Keeping this in mind, the department of Zoology have organised a virtual field trip for students of S.Y.B.Sc to Dadar seashore to study the different shore types. The fauna and shell diversity found along the shore shall be explored. Mr. Sagar Gavas, faculty, Department of Zoology shall be resource person for this trip.

To experience the virtual visit to the shore, interested students can log in to Zoom platform. The details are given below:

Date: 22/05/2021

Day: Saturday

Time: 11.30 am

Zoom meeting ID: 6999 564 174

Passcode: zoology

HOD of Zoology



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Snap Shot of Value Added Course Basics of Conchology RJZOOC01



HOD of Zoology

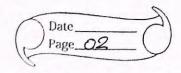


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Ghatkopa: (W), Mumbai-400 086, Mahurashtra, INDIA

Name: - Brijesh Chaudhary Date 23/05/21 Page 01 Sur Roll No: - 604/C DBT. STAR DEPARTMENT ZOOLOGY, VALUE -ADDED COURSE Report and Review, Duration 6 hrs Marks - 20 a) Review Writing Documentary shown The shell story. (https://www.youthbe.com/watch? 0= 2: Write a review of this documentary in about key points to be included - shell industry & business, ever exploitation and your views on sustainability in this industry) mollusc shell is typically exoskeleton which encloses, supports and protects the soft posts of an tuck shell many live on the land and in freshwater Shell Industry & business: In Kanyakumari a vaniety of Handicraft as cottage industry which colourful shell confted in mirror. Industry provide employment to the and allows them to work from home Machines are used to design

HOD of Zoology

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Where ever there is fishing, shells bund there. Every place has its India in Tamil Nadu-, kanyakumari shell sold in Holy places and Dwargate, bangles, etc. which by them as gift. Leology to aOH

Tamilnady is famous for collection of only varieties of Chanks, they stored > In kolkada people by bangles made up of shells. As per belief God Dinga to wear a bangle of then all married women then all married shakha (bangles) Scientific season behind it calcium level of women at some level. keeps mind calm chank but more than one also. above reason cause over exploitation of shells.

can by legally but endangered species photogra tapt on shores to awareness Firstly, only a limited number of seashell species are protected under

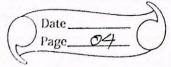
animals

enclosed in their shells) found in India

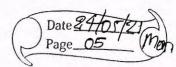
are legally protected from exploitation and illegal trade.

HOD of Zoology

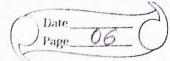




	My views on sustainability in shell Industry:
1	According to me the people who are
	embaded lassociated with shell Industry
	need a watch of government.
2)	As in North there are formers who are
	associated with coops but in south there
*	15 unable to reep crop because of its
	ased near to sea So there is mainly for
	people to do husiness related to
	As there is a huse variety of shall and fish as
	As there is a huge variety of shell and fishes if these are not kept in limited number
*	they cause problems to human, so its
	need to be in such number which
	is suitable for Humanity.
-: (4)	Mollusce shells are generally found in shallow
	greas and in coral reef they play a
	exicial sole in the ecosystem as a fond,
	scavengers, burrowers which helps in nutrient eyeling in maintaing the ecological
	bolonce.
5)	Some Rare and endangered species are kept
	there should increase their number by
	culture if possible.
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	AUTONOMOUS) 6
	Re-accredited A Grade
	RAMNISANJAN JHUNJHUNYALA COLLEGE OF ARTS, SCIENCE & CONVERCE (AUTONOMOUS Ghatkopar (IV), Mumbal-400 986, Maharashtra, INDIA



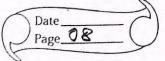
OF ARTS, SCIENCE & CUMMERCE (AUTON		
Based on the virtual field visit prepare a report of 100-150 words. The visit will include both the shores as well as college museum. (key points to be included location of shore. type of shore, kinds of shell observed; impact of human activities on shore for college museum name some of the shells that were observed.) Ansis Pur virtual field visit was held on 22, May 2020 (Socharday: We virtually visited Dadar Chouspatty Reach, Muntai: (with Sagar six) We also visited a Winter shelling on (Navarre Beach) (outside indica) by Deepaksix. Bindu Mam also present enline purtually in both shores. Then we visited virtually in our College with the help of (Ahire Six). 1) Virtual Visit at Dadar Beach Wirtual Visit at Dadar Beach We saw many Liam HOD of Zoology	b)	Report Writing
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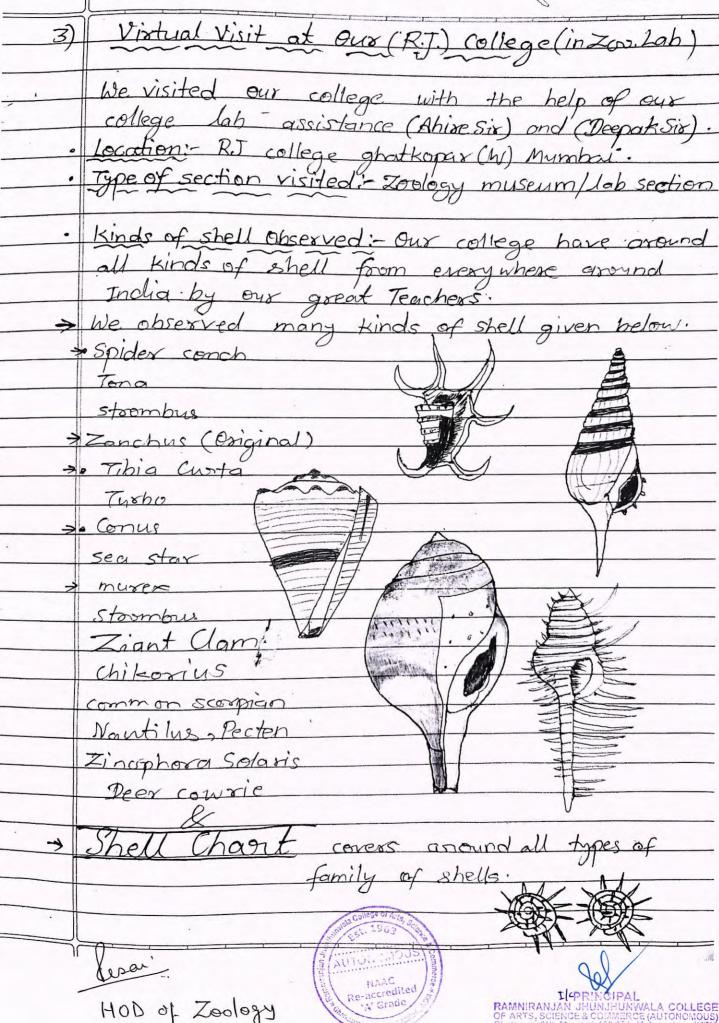


varieties of Grantropods shell and Bivalve shell. Location: Dadar Chowpatty Beach, Mumbai 400028 Type of shore: Sandy shore.

Kinds of shell Observed: Many varieties Grastopods and bivalves. Grastnopods Bivalves · Arca granosa Bebylonia Spirata Thias carrifera Natica didyma en Sps (Razox Clan Bussa tubexculata Siliqua radiata Tonna dolium Human acitivities on shore: dainking alcohol, throwing waste the place so new people/govt ecided to clean & save beach. 35 km-long road along mumbai's western coast threatens. the beaches in Mumbo Girgaum chowpally, Dadar Chowpatty lesai. MOD of Zoology

	Date Page 67
2)	Vistual Visit at Winter shelling on. Navarre Beach (by deepak sir)
13.	
7	Type of shore: Sandy shore Kinds of shell observed: Many varities of Gastropide and bivalve shell: are found here. Common American Auger
->	Scotch Bonnet Shark Eye Lightning Whelk Tulip Shell Coquina clam Dosina
•	Scallep Criant Cockle
0	Human activities on shore: The beach was not counds but have lot of shopping and water park. Human activity remains the single greatest threat to see twitte survival:
-	Cigarette pieces, hand band as pollution. HOD of Zeology RAC REDICTION REPROCEDENT RAC REPROCEDENT RAC REPROCEDENT RAC REPROCEDENT RAMNIRANJAN JHUNJHUNWALA COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS) Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA





Mumbai 400 086, Maharashtra, INDIA.



Hindi Vidya Prachar Samiti's EGE (AUTONOMOUS) RAMNIRANJAN JHUNJHUNWA

(Also known as R. J. College of Arts, Science & Commerce as per UGC Notification)

Affiliated to UNIVERSITY OF MUMBAI II Recognized by UGC under 2f & 12B NAAC Accredited 'A GRADE' with CGPA 3.50

Knowledge is all Ambrosia



CERTIFICATE COURSE IN BASICS OF CONCHOLOGY



Hindi Vidya Prachar Samiti was incepted on the auspicious day of Shri Krishna Janmashtami, 15th August 1938. A brain child of a visionary Late Shri Nandkishore Singh Jairamji, samiti was established with the objectives of catering to the educational needs of the Hindi speaking community. Ramniranjan Jhunjhunwala College came into existence in 1963, enabling a larger section of the society to take advantage of the facilities provided for higher education.

From 1999-2000 the College has added a number of self-financing courses like B.M.S., B.B.I., B.Sc. in Computer Science, Information Technology, Biotechnology, M.Sc. in Computer Science, Biotechnology and Information Technology as well as add on courses, which further hone the special skills of the students.

The college has been reaccredited with 'A' Grade by NAAC in 2014 with a CGPA 3.50 and received the Best College Award (2007-2008) of the University of Mumbai. The College has been bestowed with IMC "Ramkrishna Bajaj Performance Excellence Trophy", 2010.

The Principal of the college was awarded "Best Teacher" by Government of Maharashtra in 2011.

Government of Maharashtra conferred the college with "JAAGAR JAANIVANCHA" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.

Course Code: RJZOOC01

Duration: 30 hours

Credits: 02

COURSE

- The learner will be able to identify different types of shells.
- 2. The learner will get information on taxonomy of shells.
- The learner will be able to work as field guide on sea shore trips.
- The learner will be able to identify aesthetic, medicinal and economic value of shells.





COURSE OBJECTIVE

- 1. To teach identification of molluscan shells.
- 2. To create interest for field and taxonomic studies.

COURSE CONTENT

Module	Content	Evaluation strategies
	Introduction to division of marine ecosystem, shore morphology and types, Factors affecting the shore	
1	ecosystem. • General introduction and classification of phylum Mollusca	Assignment
	Morphology of gastropod shell,	Practical
11	Variations and ornamentation of shell.	observation and
	Study of few shell families and specimens of gastropods	assignment
	Morphology of bivalve shell,	Practical
III	Variations and ornamentation of shell.	observation and
	Study of few shell families and specimens of bivalves	assignment
IV	 Study of some rare and endangered shells, Insight on shell collection, preservation and setting up shell museum. 	Assignment
V	Virtual field visit	Submission of report
VI	General coastal shell diversity of India.	
	Overview of shells in global history.	Test and final
	 Medicinal, economy, cultural and aesthetic value of shells. Myths and stories on shells 	evaluation





4 assignments of 10 M each : 4 X 10= 40 M

Field report : 20 M

MCQ based test : 30 M

Student attendance and participation : 10 M

Total : 100 M

English

MEDIUM OF INSTRUCTION



WHO SHOULD DO

Course is open for any student from life-sciences.

IT?



Hindi Vidyo Pracher Samiti's

RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

Copposite Character Mankey Statter, Street open (W), Brandal 401/1861

Certificate of Completion

This is to certify that

Aujita Bharadwaj

of Class S.Y.B.Sc Roll No. 601

has successfully completed the Value-Added Course in BASICS OF CONCHOLOGY

organized by Department of ZOOLOGY and conducted from 18 May, 2021 to 23 May, 2021.







Issue Date: 13 July, 2021

CERTIFICATE ID: ILIC-VIAC-202021-00997

STUDENT COMPLETED Certificate Course in Basics of Conchology YEAR 20-21

SR NO	NAME	ROLL NO	CLASS
1	Anjita Bharadwaj	601	S.Y.B.Sc
2	Anmol Bhagat	602	S.Y.B.Sc
3	Nikhat Parveen Ansari	603	S.Y.B.Sc
4	Brijesh Kumar Chaudhary	604	S.Y.B.Sc
5	Zain Dabir	605	S.Y.B.Sc
6	Babita Darvesh	606	S.Y.B.Sc
7	Om Gangnaik	609	S.Y.B.Sc
8	Kajal Gupta	610	S.Y.B.Sc
9	Ritu Gupta	611	S.Y.B.Sc
10	Jiyafatima Khan	614	S.Y.B.Sc
11	Simran Kaithwas	615	S.Y.B.Sc
12	AASMA KHAN	619	S.Y.B.Sc
13	Mohammed Irshad Khan	621	S.Y.B.Sc
14	Mohammed Alam Khan	622	S.Y.B.Sc
15	Tausif Khan	623	S.Y.B.Sc
16	Muskan Khan	624	S.Y.B.Sc
17	Seema Khan	628	S.Y.B.Sc
18	Krishnamoni Kalita	631	S.Y.B.S
19	Aakash Mahapatra	632	S.Y.B.S
20	Preeti Nehate	637	S.Y.B.S
21	ANMOL PANDEY	638	S.Y.B.S
22	Shubham Singh Rawat	645	S.Y.B.S
23	Dakshina sanas	647	S.Y.B.S
24	Saniya Khan	648	S.Y.B.S
25	Anam Shaikh	650	S.Y.B.S
26	Shakira Shaikh	652	S.Y.B.S
27	Shweta Shukla	658	S.Y.B.S
US	Aaina Singh	659	S.Y.B.S



29	Akanksha Singh	660	S.Y.B.Sc
30	Manasi Singh	663	S.Y.B.Sc
31	Neha Sonkar	667	S.Y.B.Sc
32	Sufiya khatoon	668	S.Y.B.Sc
33	Ansh Vishwakarma	670	S.Y.B.Sc
34	Anubha Yadav	672	S.Y.B.Sc
35	Pooja Yadav	674	S.Y.B.Sc
36	Aditi Majrekar	684	S.Y.B.Sc
37	Alok Tiwari	691	S.Y.B.Sc
38	Shivani Waykar	692	S.Y.B.Sc
39	Fatima Ansari	695	S.Y.B.Sc
40	Reetesh Chaturvedi	702	S.Y.B.Sc
41	Lavesh Dalvi	705	S.Y.B.Sc
42	Bhagwati Dewasi	706	S.Y.B.Sc
43	Jyoti Gound	708	S.Y.B.Sc
44	Komal Gupta	709	S.Y.B.Sc
45	Kusum Gupta	710	S.Y.B.Sc
46	Sanjana Gupta	713	S.Y.B.Sc
47	Asma Khan	717	S.Y.B.Sc
48	Azram Khan	718	S.Y.B.Sc
49	Uzma Khan	720	S.Y.B.Sc
50	Arshiya Shaikh	726	S.Y.B.Sc
51	Muskan Shaikh	727	S.Y.B.Sc
52	Shaikh Umme eaman	729	S.Y.B.Sc
53	Priyanka Singh	731	S.Y.B.Sc
54	Anjali Yadav	736	S.Y.B.Sc
55	Lakshmina Yadav	737	S.Y.B.Sc
56	Suraiya Khan	739	S.Y.B.Sc
57	Pooja Singh	746	S.Y.B.Sc



PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOS ARTS)
Ghatkepar (W), Mumbal-400 086, Maharashira, India