

SNJB (Jain Gurukul's)

**K.K.H. Abad Arts, S.M.G. Lodha Commerce & S.P.H. Jain Science College
Neminagar, Chandwad-423101, Dist.-Nashik, Maharashtra**



Establishment
27/11/1928

(Affiliated to SavitribaiPhule Pune University) Id. No.PU/NS/AC/015/1970

(02556) Off. 252125 Res.252126 Tel. Fax:02556-252125

• P. O. Box No.: 6 • E-mail : alccchandwad@yahoo.co.in

• Website : www.acschandwadcollege.com

DST-FIST Funded (2018-19)

UGC-NSQF Courses (B.Voc. & CC)

Best College Award by SavitribaiPhule Pune University (2015-16)

1.3.2: Number of courses that include experiential learning through project work/field work/internship during the year

TYBSc. -Field Visit

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SNJB's
KKHA Ar SMGL Commerce and SPHJ Science College, Chandwad Dist-Nashik,
Maharashtra Pin-423101 India
(Affiliated to Savitribai Phule Pune University, Pune, Maharashtra, India)
Best College Award Recipient (2015-16)
(DST-FIST Funded 2018-19)

NAAC Reaccredited 'B++' Grade with CGPA 2.95 (2019-20)

Phone No. (02556) Off.252125 Res.252126, Tel. Fax: 02556-252125

P.O. Box No.:6 •E-mail: alccchandwad@yahoo.co.in Website: www.acschandwadcollege.com

Dr. Dattatraya N. Shimpi (B.Com, M.PEd., Ph.D.) Senior College Code No. 088

I/C Principal University Id. No. PU/NS/AC/015/1970

Email: shimpi.dnacs@snjb.org, Contact No.: 9689092092

ALJC: 2023/2024/553

Date:23/03/2024

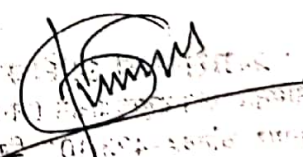
To
The Administrative Officer,
Shri. Neminath Jain Brahmacharyashram, Chandwad
Dist- Nashik.

Sub: To avail permission for the educational tour

Dear Sir,

With reference to the subject cited above and as per the curriculum of Savitribai Phule Pune University, Pune for S. Y. B.Sc, T.Y.B.Sc, M.Sc I & M.Sc II Botany; it is compulsory to visit places of botanical interests (i.e. botanical research institute, biodiversity park and forest). In this regard we have planned two days educational tour for S S. Y. B.Sc, T.Y.B.Sc, M.Sc I & M.Sc II Botany students, on 27th & 28th March 2024 at Matheran & Alibag. Kindly avail the permission and do the needful.

Permission letter of Principal and List of the participating staff and students enclosed herewith.


Yours Faithfully

I/C. PRINCIPAL


K.K.H.A. Arts SMGL Comm.
& S.P.H.J. Science College,
Chandwad, Dist. Nashik - 423 101

To
R. Kachare Principal
Acce College -

No boys possible from

Hostels are participating confirms Dr. Mayur Patil,
from Botany dept.

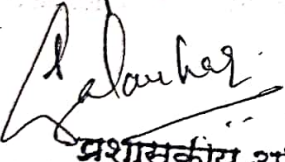
Please ensure that strict discipline
is followed and all compliance are done.

 26/3/2024

P.T.O

R/ Principal

- 1) Ensure Sr. Staff accompanics
- 2) Adequate numbers of Gents & Ladies staff must accompany
- 3) Do not take students near water or on hill tops
- 4) Staff and Students must be in their college uniforms with identity cards
- 5) State Transportation buses to be hired for tour
- 6) One Medical Officer Should accompany
- 7) Written Permission from the concerned competent authorities must be obtained
- 8) Strict discipline to be observed
- 9) Written consent of parents need to be obtained
- 10) Ensure that parents are called at the terminus stop point for taking their children after the tour gets over
- 11) Necessary rules procedures stipulated from time to time by the competent authorities must be followed
- 12) If travel is by train in that case do not allow students to get down on railway stations, to avoid mishaps, e.g. boarding the train while it has already begun etc.



26/03/2025

प्रशासकीय अधिकारी
श्री नेमिनाथ जैन ब्रह्मचर्याश्रम (जैन गुरुकुल)
नेमिनाथ, चांदवड-423 101 जि. नाशिक

List of the Students with participating Teachers

Sr. No.	Name M.Sc - I ✓	Gender
1.	GAIKWAD VAIBHAV PRAKASH	Male
2.	SAGAR BHAGYASHREE RAJENDRA	Female
3.	DEORE SAKSHI PRAMOD	Female
4.	DEORE SAMRUDDHI JAGANNATH	Female
5.	VADNERE KANCHAN GORAKSHNATH	Female
6.	SHIRSATH JAYASHRI SAJAJI	Female
7.	KHAIRNAR ADITI SHANTARAM	Female
8.	GHUGE YOGITA SAMBHAJI	Female
9.	SURYAVANSIII PRIYANKA FAKIRA	Female
10.	SHEWALE RUPALI POPAT	Female
11.	BHALERAO RATNAKAR RAVINDRA	Male
12.	DEORE AASHA GAJANAN	Female
13.	SODE SHWETA SUNI	Female
14.	LANDBALE RUPESH ANANDA	Male

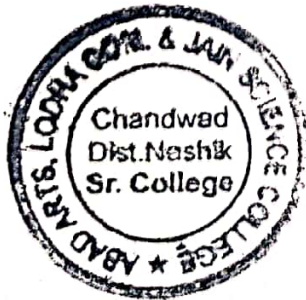
Sr. No.	Name M.Sc - II ✓	Gender
1.	Shinde Jayashri Babaji	Female
2.	Kolhe Rohini Vasant	Female
3.	Thakare Savita Bajirao	Female
4.	Thakare Urmila Dilip	Female
5.	Bairagi Sakshi Shamdas	Female
6.	Bahikar Harshali Murlidhar	Female
7.	Bagul Mayuri Kamalakar	Female
8.	Kotwal Chaitali Sharad	Female
9.	Mapari Megha Anna	Female
10.	Bhoye Ratna Jagan	female
11.	Pawar Rupesh Vijay	male
12.	Suryawanshi Rupali Bhausahab	Female
13.	Kolhe Pratiksha Nanasaheb	Female
14.	Nikam Vaishali Ananda	female


Sr. No.	Name T.Y.B.Sc	Gender
1.	Ms. Priti Vinayak Jamdar	Female
2.	Ms. Komal kailas Khaire	Female
3.	Ms. Achal Bhaskar Wanakhede	Female
4.	Ms. Priyanka Sahebrao Gangurde	Female
5.	Ms. Akshada Dhakarrrao chindhu	Female
6.	Ms. Mayuri Nivrutti Gangurde	Female

Sr. No.	Name S.Y.B.Sc	Gender
1.	Sathe Bhagyashree Kisan	Female
2.	More Vaishnvi Pravin	Female
3.	Pawar Nikita Sakharam	Female
4.	Pagar Sejal Namdev	Female
5.	Pawar Nikita Dnyaneshwar	Female
6.	Walunj Ramhari Dnyaneshwar	Male
7.	Gangurade Sagar Bajirao	Male
8.	Pawar Samiksha Prakash	Female
9.	Thombare Sanika Bhaurao	Female
10.	Jadhav Prerna Santosh	Female
11.	Kumbharde Anuksha Anil	Female
12.	Mahale Akshada Sahebrao	Female
13.	Jadhav Arati Prakash	Female

14. Akshada kumbharde
15. vaishnav gangurde
16. Ather Tushar
17. vaibhav Nimbalkar.

Sr. No.	Teachers	Gender
1.	Dr. Manoj T. Patil	Male
2.	Dr. Mayur S. Patil	Male
3.	Dr. Swapnil D. Wagh	Male
4.	Dr. Sudin C. Dalave	Male
5.	Mr. Sagar. G. Lokhande	Male
6.	Mr. Navnath V. Pawar	Male
7.	Ms. Bhakti V. Jadhav	Female
8.	Ms. Yogita M. Pawar	Female
9.	Mr. Nilesh D. Shimpi	Male
10.	Mr. Bhushan V. Pathade	Male
11.	Mr. Krushna A. Shinde	Male




V.C. PRINCIPAL
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**T.Y.B.Sc. Botany CBCS Pattern
Practical(Semester V Paper IX)2020-2021
BO369:Practicalbasedon BO365andBO366(2Credits)**

Sr. No.	Title	No.of Practical
1.	PreparationandsterilizationofMSMediumandCallusInductionusing leaf primordia	01
2	Productionofsecondarymetabolitesinanyuitableplantmaterial	01
3	ArtificialseedproductionbySodiumAlginateencapsulation (somatic embryogenesis)	01
4	Demonstrationto equipments used in genetic engineering like gene gun, PCR, gel doc, microcentrifuge, electrophoresis, micropipettes, incubator, shaker etc. (live/videos/photographs/visit to research labs)	01
5	Study of Transgenic plants- Arabidopsis thaliana as a model plant, Bt- Brinjal, Flr-svr Tomato, and other GM crops like soybean, maize, tobacco as a pharmaceuticals, banana as a edible vaccine etc. (live/videos/photographs/visit to research labs)	01
6	Preparationofplantbasednano-particles	01
7	Demonstrationto Fermentation of fruit juice and wine production from grapes/pomegranate/jamun/apple/ber (live/videos/photographs/visit to research labs)	01
8	Problems on genetic engineering (set of problems will be given on restriction enzymes, vectors etc.)	01


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 Chandwad Dist. Nashik-42310


9	Demonstration of Hybridization Techniques (Emasculation, Hand Pollination, Bagging and Tagging) in cotton and tomato.	01
9	Effect of chemical mutagens on seed germination and seedling growth.	01
10	Study of pollen viability and floral morphology of crops	01
11	To test seed moisture by hot air oven method	01
12	To study germination methods (Paper, Sand and Soil)	01
13	Physical purity analysis of seed sample	01
14	Visual examination of dry seeds for disease symptoms	01
15	To study any one common seed insect pest w.r.t to their life cycle, way of infestation/damage, symptoms and control measures.	01
16	Visit to a Plant Breeding Research Centre /Seed Industry and report submission	01


Note: Submission of minimum 10 seed samples along with their botanical names, family, variety etc. to the department at the time of final practical examination

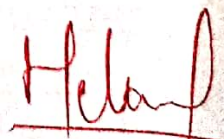

PRINCIPAL
 A.K.H.A. Arts, S.M.G.L. Colln.
 & S.P.H.J. Science College,
 Chandwad Dist. Nashik-42310

VISIT

REPORT


Practitioner
Incharge


Examiner


Head of Department.

HEAD
Department of Botany
GMS's K.K.H.A.Arts, S.M.G.L.Commerce
& S.P.H.J.Science College
Chandwad - 423101, Dist.Nashik



At - Matheran
Date - 27 March 2024

On 27 March 2024 department of Botany arranged hill station matheran visit at Native botanical garden. As per the requirement of our syllabus headed by our lectures Mayor Pabli, Wagh sir, Yogita mam, Bhakti mam.

We started our educational trip at the morning, There were around 14 students & four teachers. The objectives of the visit was to get more information about ecosystem and their type.

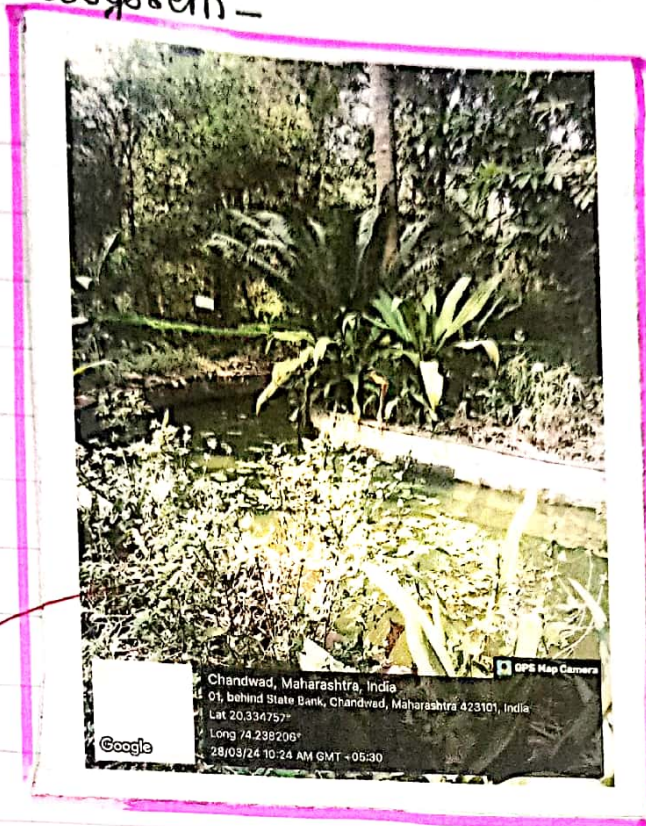
Matheran is hill station, near Mumbai in the west Indian state of Maharashtra. Its known for its mild climate and well preserved colonial architecture. Motor vehicles are banned.

forest ecosystem —



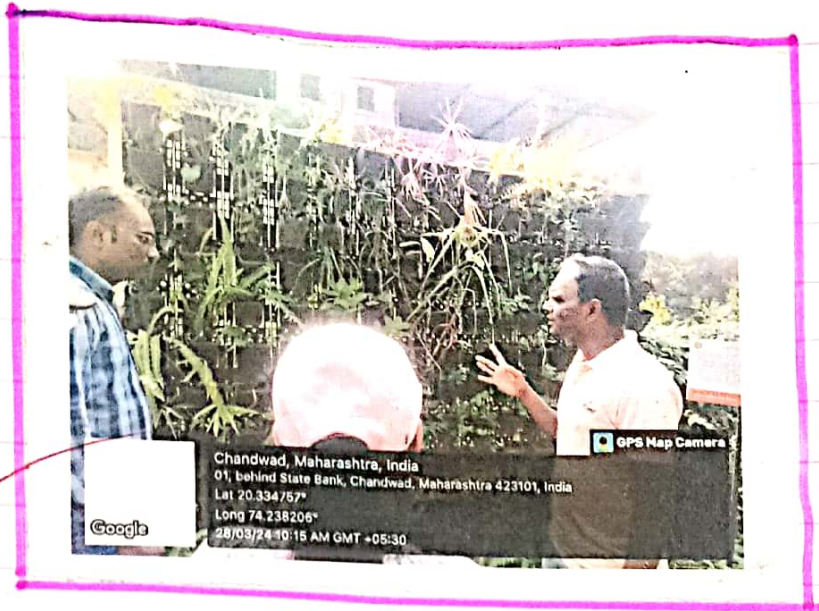
- A forest ecosystem is a functional unit or a system which comprises of soil, trees, insects, animals, birds & man as its interacting
- A forest ecosystem is an ecosystem of forests and resources forests are renewable natural resources.
- Forest consist not only of living (biotic) components like trees, animals, plant & other living things but also of non-living components such as soil water air & land forms.
All of these components together make up a forest ecosystem.

* Wetland ecosystem -



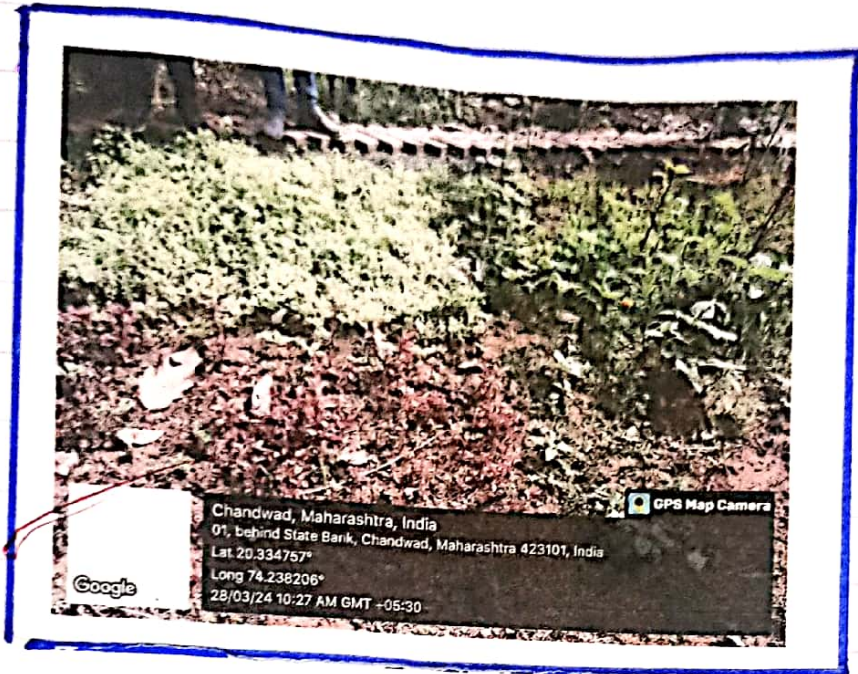
- Wetlands are among the most productive ecosystems in the world, comparable to rain forests and coral reefs. An immense variety of species of microbes, plants, insects, amphibians, reptiles, birds, fish and mammals can be part of a wetland ecosystem.
- Wetlands are those areas where the soil is covered with water or can be present near the ground throughout the year.
- It supports both terrestrial and aquatic species.
- Wetlands are important to global ecosystems & are easily affected by change in climate, soil, and human disturbances.

Cropland ecosystem —



- Croplands are a critical, terrestrial man-made ecosystem.
- Least genetic diversity is a characteristic feature of cropland ecosystem.
- Cropland ecosystem is man-made as men cultivate crop for their nutrition. Thus it is artificial and does not occur naturally.
- Food crop (wheat, maize, Rice)
- Cash crop (sugarcane, Tobacco, cotton)
- Plantation crop (coffee, coconut, Tea)
- Biotic components include plant, animals, decomposers.

Grassland ecosystem -



A grassland is an area where the vegetation is dominated by grasses.

- The grassland biome is made up of large open areas of grasses. They are maintained by grazing animals and frequent fires.
 - Grassland occurs in environments conducive that of taller plants, particularly trees and shrub.
 - Grassland clearly provide the feed base for grazing livestock and the numerous high-quality foods. but such livestock also provide products such as fertilizer, transport, fibre & leather
- ~~such as fertilizer~~
such as fertilizer
04.2024