



Mob.- Principal- 9064096065, Office- 9641051610

ACHARYA SUKUMAR SEN MAHAVIDYALAYA

(A Govt. Aided General Degree College)

E-mail- sensukumarmv@gmail.com Web:- www.sukumarsencollege.ac.in

Vill+P.O.- Gotan, Dist- Purba Bardhaman, Via- Tarakeswar, Pin- 712410

Date:- 20.07.2022

Notice

All 1st Semester Students of Academic Session 2022-23 are hereby informed that the project work of Environment Studies will be undertaken as per syllabus of the University of Burdwan. You are advised to contact with your project supervisor Dr. J. K. Mukherjee, Principal of the college



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Acharya Sukumar Sen Mahavidyalaya
Vill. & P.O.- Gotan, Dist.-Purba Bardhaman

Syllabus of Environment Studies (AECC-1) of the University of Burdwan showing Project work.

- *Constitutional provisions for protecting environment- articles 51(A), 24 & 32*
- Environmental Laws: The Environment (Protection) Act, 1986; The Air (Prevention and Control of Pollution) Act, 1981; The Water (Prevention and Control of Pollution) Act 1974; Forest (Conservation) Act, 1980
- The wildlife Protection Act, 1972
- Climate change; Global warming, ENSO, Acid rain, Ozone layer depletion; Montreal and Kyoto Protocols

Unit 7: Human Communities & Environment

(08)

- Human population growth; Impacts on environment
- Population explosion – Family Welfare Programme
- Environment and human health: Concept of health and disease; Common communicable and Non- communicable diseases; Public awareness
- Environment movements in India: Chipko Movements, Silent Valley Movement, Movements in Karnataka

Unit 8: Field Work Report/Project Report/Term paper (based on any one of the following topics and to be evaluated by internal teachers only)

- Environmental assets - River/Forest/Grassland/Hill/Mountain *etc.*
- Environmental pollution - Urban/Rural/Industrial/Agricultural
- Study of common Plants/Insect /Birds/Wild life *etc.*
- Study of simple ecosystems; Pond/River/Hill slope *etc.*
- Municipal solid waste management and handling.

ACHARYA SUKUMAR SEN MAHAVIDYALAYA



AFFILIATED TO THE UNIVERSITY OF BURDWAN

GOTAN*PURBA BARDHAMAN



SUBJECT :- ENVIRONMENTAL STUDIES

PROJECT WORK :- MEDICINAL PLANTS

STREAM :- B.A 1st Year. 1st Semester (SANASKRIT HONOURS)

NAME - MEGHA BAG

COLLEGE ROLL : 363

REG. NO - 202201019844 *at* 2022-23

SESSION :- 2023

CERTIFICATE

This is to certify that the project submitted by *Megha Bag.* B.A 1st Year 1st Sem. (Sanskrit Honours) College Roll No 363 .Registration no - . has been accomplished under my supervision as a part of curriculum in consideration of the objective stated therein for the Sem-1 Exam, for the present academic Year.

Signature of Project Guide with date

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Name : DR. JAYANTA KUMAR MUKHERJEE

Designation : PRINCIPAL

College : Acharya Sukumar Sen Mahavidyalya





Tulsi

Scientific Name:- *Ocimum tenuiflorum*.

Common Name:- Holy Basil, Tulsi or Tulasī

Distribution:- The plant originated from North India it is found all over India.

Chemistry:-

oleonic acid ursolic acid Rosmarinic acid eugenol
carvacrol Linalool and p-coryo phyllene. Tulsi essen-
tial oil consist of:-

eugenol (70%)

B. elemene (11%)

B. coryo phyllene (8%)

γ-caryophyllene (2%)

Other elements (Rest)

Description :-

Erect, many branches, shrub 30-60 cm tall with
hairy leaves are green or purple 1 cm long stems
strongly are green or scented, flower purple.

Uses:-

Cultivated (Ram Tulsi - most common) for religious and
traditional medicine purpose. It is used
as herbal tea and Ayurvedic.



Sarpagandha

Scientific Name :- *Rauwolfia Serpentina*

Common Name :- Indian Snake root, devilpepper or Serpentina wood.

Distribution :-

It is a perennial undershrub widely distributed in India in the Sub Himalayan regions up to 1000 meters (3300 ft.)

Chemical Composition :-

It contains dozen of alkaloids of the indole alkaloid family, including agmatine, asmalicine, reserpine and reserpentine among others.

Uses :-

It may be useful in treating excitable patients with hypertension. According to a 2016 review by Canadian researchers, a different high quality clinical trials on humans suggest that reserpine significantly reduces systolic blood pressure (SBP).



ACHARYA SUKUMAR SEN MAHAVIDYALAYA

INTERNAL ASSESSMENT : 2022-2023

NAME : KOUSIK KUNDU

SUBJECT : ENVIS

**TOPIC : MEDICINAL PLANT OF BLOCK RAINA,
PURBA BARDHAMAN, WEST BENGAL, INDIA**

**STREAM : BA GENERAL
1ST SEMESTER
PAPER : AECC2**

17

ROLL NO :

COLLEGE ROLL : 109

REG NO : 202201019928 of 2022-23

SUBMITTED BY JATANTA KR. MUKHERJEE

TURMERIC

Scientific Name :- *Curcuma longa*

Habitat :- Perennial rhizomatous herbaceous plant

Where found :- India, South east Asia,

Distribution :- Height 1m tall, branched yellow green cylindrical. Leaves are alternate with sheath, petiole and blade.

Flowers :- White, with 3 spals.

Phytochemistry :-



Power contains -

60 - 70% Carbohydrate

6 - 13% Water

6 - 8% Protein

5 - 10% Fat

3 - 7% Minerals

3 - 7% Essential oil

2 - 7% Fiber

1 - 6% Curcuminoids.

TULSI

Scientific Name :- *Ocimum tenuiflorum*

Common Name :- Holy basil. Tulsi or Tulsii.

Chemistry :- Oleonic acid, capolic acid, Rosmarinic acid, eugenol, Carvone, Litralol and β -Caryophyllene.

Tulsi essential oil consists of:

eugenol (70%)

β -elemene (11%)

β -Caryophyllene (81%)

germacrene (2%)

Trace elements (Rest)

Description :- Erect, many branched shrub, 30-60 cm tall with hairy stems. Leaves are green or purple. 5cm long strongly scented. Flowers - Purple.

Uses :- Cultivated (Ram Tulsi - rust comesh)

Folk religions and traditional medicine Purpose. It is used as herbal tea and in Ayurveda.

Essential oil is used as cough and cold.





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Date:- 17.01.2023

This is to certify that following students of latest completed academic year (2022-23) of the college (list enclosed) undertook project work as prescribed in the syllabus of the University of Burdwan.

1. Title of Project Work:- Medicinal Plants.
2. Place of Project work :- Raina Block-II
Dist.- Purba Bardhaman, West Bengal.
3. Duration:- July-2022 to December-2022.



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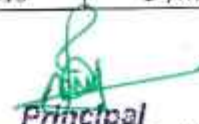
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List of the 1st Semester ^{Registered} students for the academic session 2022-23.

SL NO	Year	Student Name	Enrollment No	Enrollment Date
1	2022-23	ABEDA KHATUN	202201019894	14/Nov/2022
2	2022-23	ABHIJIT MUKHERJEE	202201019816	14/Nov/2022
3	2022-23	ABHIJIT PAL	202201019817	14/Nov/2022
4	2022-23	ABHISEK PATRA	202201019818	16/Nov/2022
5	2022-23	ABINASH LAI	202201019819	14/Nov/2022
6	2022-23	ABIR KARAK	202201019895	12/Nov/2022
7	2022-23	AFROJA KHATUN	202201019896	12/Nov/2022
8	2022-23	AKASH DEBNATH	202201019820	11/Nov/2022
9	2022-23	AKASH MURMU	202201019897	05/Nov/2022
10	2022-23	AKASH PARIKSHIT	202201019898	14/Nov/2022
11	2022-23	ALEMA KHATUN	202201019821	14/Nov/2022
12	2022-23	ALMINA YEASMIN	202201019822	14/Nov/2022
13	2022-23	AMINA KHATUN	202201019899	14/Nov/2022
14	2022-23	AMIT MALIK	202201019823	16/Nov/2022
15	2022-23	ANANYA DOLUI	202201019900	11/Nov/2022
16	2022-23	ANANYA MALIK	202201019824	16/Nov/2022
17	2022-23	ANKITA BARIK	202201019825	12/Nov/2022
18	2022-23	ANTARA DAS	202201019901	14/Nov/2022
19	2022-23	ANTARA PRAMANIK	202201019826	14/Nov/2022
20	2022-23	APARNA PARAMANIK	202201019902	04/Nov/2022
21	2022-23	ARIJIT KUNDU	202201019903	14/Nov/2022
22	2022-23	ARKA BANDOPADHYAY	202201019904	11/Nov/2022
23	2022-23	ARNAB DEY	202201019827	14/Nov/2022
24	2022-23	ARPITA DAS	202201019828	14/Nov/2022
25	2022-23	ARPITA DOLUI	202201019905	14/Nov/2022
26	2022-23	ARPITA ROY	202201019906	14/Nov/2022
27	2022-23	ARPITA ROY	202201019907	14/Nov/2022
28	2022-23	ASHA TUDU	202201019908	14/Nov/2022
29	2022-23	ASHIS GHATAK	202201019829	14/Nov/2022
30	2022-23	ASMINA KHATUN	202201019830	14/Nov/2022
31	2022-23	AYANTIKA MALIK	202201019909	11/Nov/2022
32	2022-23	BAHAR MALLIK	202201019831	16/Nov/2022
33	2022-23	BAPPA RUIDAS	202201019910	17/Nov/2022
34	2022-23	BARSHA PAL	202201019832	12/Nov/2022
35	2022-23	BEAUTI SANTRA	202201019911	12/Nov/2022
36	2022-23	BEAUTY DEY	202201019833	14/Nov/2022
37	2022-23	BIJOY MALIK	202201019912	14/Nov/2022
38	2022-23	BIKRAM KHETRAPAL	202201019913	14/Nov/2022
39	2022-23	BIKRAM ROY	202201019914	14/Nov/2022
40	2022-23	BRISHTE MONDAL	202201019834	14/Nov/2022
41	2022-23	BRISTI SANTRA	202201019915	14/Nov/2022
42	2022-23	DEBANJAN GHOSH	202201019835	14/Nov/2022
43	2022-23	DEBASHIS RAY	202201019916	14/Nov/2022




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SL NO	Year	Student Name	Enrollment No	Enrollment Date
44	2022-23	DEBASISH ROY	202201019917	14/Nov/2022
45	2022-23	DIP KUMAR SANTRA	202201019918	14/Nov/2022
46	2022-23	DIPALI DAS	202201019919	14/Nov/2022
47	2022-23	ETI KHATUN	202201019920	14/Nov/2022
48	2022-23	GOURI MAJHI	202201019921	14/Nov/2022
49	2022-23	GOUTAM MAJUMDAR	202201019922	12/Nov/2022
50	2022-23	HALIMA KHATUN	202201019836	14/Nov/2022
51	2022-23	IMPA MAJHI	202201019923	12/Nov/2022
52	2022-23	IMRAN CHOWDHURY	202201019837	16/Nov/2022
53	2022-23	INDRAJIT SANTRA	202201019924	14/Nov/2022
54	2022-23	JIT SINGH	202201019925	12/Nov/2022
55	2022-23	KABITA HEMBRAM	202201019926	14/Nov/2022
56	2022-23	KARTIK DHARA	202201019927	14/Nov/2022
57	2022-23	KEYA KHATUN	202201019838	14/Nov/2022
58	2022-23	KOUSIK KUNDU	202201019928	14/Nov/2022
59	2022-23	KOYEL MALIK	202201019839	14/Nov/2022
60	2022-23	KOYEL PATRA	202201019840	14/Nov/2022
61	2022-23	KOYEL RAY	202201019929	14/Nov/2022
62	2022-23	KRIPA SINDHU MEDDA	202201019930	14/Nov/2022
63	2022-23	KRISHNA MALIK	202201019931	14/Nov/2022
64	2022-23	LABANI MALLICK	202201019932	14/Nov/2022
65	2022-23	LAXMI NAG	202201019841	14/Nov/2022
66	2022-23	LEEJA KHAN	202201019842	14/Nov/2022
67	2022-23	MAFRUJA KHATUN	202201019843	11/Nov/2022
68	2022-23	MAMONI MONDAL	202201019933	14/Nov/2022
69	2022-23	MANASH NAYAK	202201019934	14/Nov/2022
70	2022-23	MEGHA BAGH	202201019844	12/Nov/2022
71	2022-23	MEGHDUT MONDAL	202201019935	14/Nov/2022
72	2022-23	MIR ASIA KHATUN	202201019845	16/Nov/2022
73	2022-23	MONALISA KHATUN	202201019846	16/Nov/2022
74	2022-23	MOUMITA BANDYOPADHYAY	202201019936	14/Nov/2022
75	2022-23	MOUMITA SAHA	202201019847	12/Nov/2022
76	2022-23	MOUPRIYA DEY	202201019848	14/Nov/2022
77	2022-23	NARGIS PARVIN	202201019849	14/Nov/2022
78	2022-23	NEHA DHARA	202201019937	14/Nov/2022
79	2022-23	PAYEL GHOSH	202201019938	14/Nov/2022
80	2022-23	PAYEL KUNDU	202201019939	14/Nov/2022
81	2022-23	PAYEL MALIK	202201019850	14/Nov/2022
82	2022-23	PAYEL MUKHERJEE	202201019851	14/Nov/2022
83	2022-23	PIJUSH MALIK	202201019940	14/Nov/2022
84	2022-23	POLLABI KUNDU	202201019852	14/Nov/2022
85	2022-23	PRAKRITI BANDHU SOM	202201019853	14/Nov/2022
86	2022-23	PRITI BEJ	202201019854	16/Nov/2022
87	2022-23	PRITI NANDI	202201019855	14/Nov/2022
88	2022-23	PRIYA BAG	202201019856	14/Nov/2022
89	2022-23	PRIYA KUNDU	202201019857	14/Nov/2022
90	2022-23	PRIYANKA HALDER	202201019858	14/Nov/2022
91	2022-23	PRIYANKA MAJI	202201019941	14/Nov/2022
92	2022-23	PRIYATOSH GHOSH	202201019942	14/Nov/2022
93	2022-23	PUJA KUNDU	202201019943	14/Nov/2022
94	2022-23	PUJA MANDAL	202201019944	14/Nov/2022
95	2022-23	PUSPA ADHIKARI	202201019945	14/Nov/2022




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SL NO	Year	Student Name	Enrollment No	Enrollment Date
96	2022-23	RAHUL DAS	202201019859	16/Nov/2022
97	2022-23	RAHUL ROY	202201019946	14/Nov/2022
98	2022-23	RAJIB GHOSH	202201019947	12/Nov/2022
99	2022-23	RAKHI KHATUN	202201019948	11/Nov/2022
100	2022-23	RAKHI ROY	202201019949	14/Nov/2022
101	2022-23	RAMKRISHNA GHOSH	202201019950	12/Nov/2022
102	2022-23	RANIT MALIK	202201019860	14/Nov/2022
103	2022-23	RANU MALIK	202201019861	14/Nov/2022
104	2022-23	REHANA KHATUN	202201019862	14/Nov/2022
105	2022-23	RIMA BAG	202201019951	12/Nov/2022
106	2022-23	RIMA GHOSH	202201019863	16/Nov/2022
107	2022-23	RIMPA MONDAL	202201019864	14/Nov/2022
108	2022-23	RIMPA PARAMANIK	202201019865	14/Nov/2022
109	2022-23	RINKU MANNA	202201019866	14/Nov/2022
110	2022-23	RISHI MONDAL	202201019867	16/Nov/2022
111	2022-23	RIYA GARAI	202201019868	11/Nov/2022
112	2022-23	RIYA MALIK	202201019952	12/Nov/2022
113	2022-23	RUMA SANTRA	202201019953	14/Nov/2022
114	2022-23	RUMANA KHATUN	202201019954	14/Nov/2022
115	2022-23	RUPALY MONDAL	202201019869	16/Nov/2022
116	2022-23	RUPASREE GHARUI	202201019955	11/Nov/2022
117	2022-23	RUPSA BAG	202201019956	18/Nov/2022
118	2022-23	SABANA PARVIN	202201019957	14/Nov/2022
119	2022-23	SABINA KHATUN	202201019958	11/Nov/2022
120	2022-23	SAHINA KHATUN	202201019959	14/Nov/2022
121	2022-23	SAIMA PARVIN	202201019870	16/Nov/2022
122	2022-23	SAMAPTI KARMAKAR	202201019960	14/Nov/2022
123	2022-23	SAMPURNA BARIK	202201019871	14/Nov/2022
124	2022-23	SANCHITA PATRA	202201019961	16/Nov/2022
125	2022-23	SARNA HEMBRAM	202201019962	12/Nov/2022
126	2022-23	SATHI MALIK	202201019872	12/Nov/2022
127	2022-23	SATHI POREL	202201019873	12/Nov/2022
128	2022-23	SHAKUNTALA BAG	202201019874	14/Nov/2022
129	2022-23	SHILPA SANTRA	202201019963	14/Nov/2022
130	2022-23	SHILPI SAHANA	202101016475	29/Nov/2022
131	2022-23	SHIPRA NAG	202201019964	14/Nov/2022
132	2022-23	SHREYA MALIK	202201019965	14/Nov/2022
133	2022-23	SHREYA MONDAL	202201019875	14/Nov/2022
134	2022-23	SHUKLA MAJHI	202201019966	14/Nov/2022
135	2022-23	SIDDHIKA KHATUN	202201019967	14/Nov/2022
136	2022-23	SIMANTO DAS	202201019876	16/Nov/2022
137	2022-23	SK BANNAYA	202201019877	14/Nov/2022
138	2022-23	SK MUSTAK ALI	202201019968	14/Nov/2022
139	2022-23	SK SIRAJUL ALI	202201019878	16/Nov/2022
140	2022-23	SOHINI HALDER	202201019879	16/Nov/2022
141	2022-23	SOMNATH PANDIT	202201019969	14/Nov/2022
142	2022-23	SONALI MANDI	202201019970	14/Nov/2022
143	2022-23	SOUGATA DEY	202201019971	14/Nov/2022
144	2022-23	SOUMEN SANTRA	202201019880	14/Nov/2022
145	2022-23	SOUMYAJIT DEY	202201019972	14/Nov/2022
146	2022-23	SOUMYOJIT SANTRA	202201019973	14/Nov/2022
147	2022-23	SOUVIK PAL	202201019881	11/Nov/2022



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SL NO	Year	Student Name	Enrollment No	Enrollment Date
148	2022-23	SRABANI KARMAKAR	202201019882	11/Nov/2022
149	2022-23	SUBHANKAR POREL	202201019974	12/Nov/2022
150	2022-23	SUCHANDRA HEMBROM	202201019975	14/Nov/2022
151	2022-23	SUCHARITA CHANDA	202201019976	14/Nov/2022
152	2022-23	SUHITA GHOSH	202201019977	14/Nov/2022
153	2022-23	SUMAIYA KHATUN	202201019883	14/Nov/2022
154	2022-23	SUMANA MEDDA	202201019884	16/Nov/2022
155	2022-23	SUMANA PARVIN	202201019885	05/Nov/2022
156	2022-23	SURESH CHANDRA MALIK	202201019886	11/Nov/2022
157	2022-23	SURIYA KHATUN	202201019887	16/Nov/2022
158	2022-23	SUSMITA DOLUI	202201019978	14/Nov/2022
159	2022-23	SUVENDU ADHIKARY	202201019979	11/Nov/2022
160	2022-23	SWASTIKA SANTRA	202201019888	14/Nov/2022
161	2022-23	TAHAMINA KHATUN	202201019980	14/Nov/2022
162	2022-23	TAMANNA GHOSH	202201019981	14/Nov/2022
163	2022-23	TANTITA KUNDU	202201019889	14/Nov/2022
164	2022-23	TANUSHREE MALIK	202201019982	14/Nov/2022
165	2022-23	TINA DEY	202201019983	14/Nov/2022
166	2022-23	TIYAS HATI	202201019890	11/Nov/2022
167	2022-23	TRIPTI DEY	202201019891	11/Nov/2022
168	2022-23	TRISHA MALIK	202201019892	14/Nov/2022
169	2022-23	TUSAR ROY	202201019984	14/Nov/2022
170	2022-23	YOGESH KUMAR JAMRE	202201019893	16/Nov/2022




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Date:- 04.01.2023

To Whom it may Concern

This is to certify that the project work on Environmental studies of our college for the session 2022-23 has been successfully conducted by Dr. Jayanta Kumar Mukherjee, Principal of the college. Details of the project work is as follows:

Sl No.	Name of the Supervisor	Title of the Project	Year of offering	Class & Paper	No. of students Submitted	Date of implementation of the course
1	Dr. Jayanta Kumar Mukherjee, Principal	Medicinal Plants.	2022-23	BA SEM-1 Paper-AECC-1	170	01.07.2022 To 31.12.2022



Principal
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A report on the project work of Environmental Studies

The Internal Assessment under CBCS is a part of a continuous evaluation system. Project works ensure that students are assessed on a continuous basis through innovative and reformed techniques as it mostly involves analysis of current issues of relevance to their subjects. This institute invited Project work for AECC-1 paper to be taken by the students of Semester -I for the academic year 2022-23 on the following topics:

1. Medicinal Plants

Undertaking project work is an integral part of the Internal Examination which is carried out in a well-planned and systematic manner. A total of 170 out of 468 students submitted the project. Students were notified to submit the projects. After submission, each project was thoroughly evaluated by the Supervisor. The affiliating university has prescribed 20 marks on these projects. This project work helps to promote innovation, and better learning among the students. The project also reflected environmental concerns of the Students.



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