

A
PROJECT REPORT ON
CHEMISTRY OF FOOD PRESERVATIVES

Submitted by: ABINASH BEHERA
+3 SCIENCE FINAL YEAR
University Roll No - CH2322872
College Roll No - BS(P)-22-296

Under the Guidance of:
DR. LAXMI NARAYAN SAHOO
(LECTURE IN CHEMISTRY)



Evaluated
(Blas)
29.03.25

Department of Chemistry
GOVERNMENT SCIENCE COLLEGE,
CHATRAPUR, 761020
SESSION - (2022-25)

DECLARATION

I, ABINASH BEHERA, hereby declare that the project work entitled "CHEMISTRY OF FOOD PRESERVATIVES" submitted to GOVERNMENT SCIENCE COLLEGE, CHATRAPUR. It is my original work and has been carried out under the guidance of DR. LAXMI NARAYAN SAHOO.

I further declare that this project has not been submitted, either in part or in full, to any other institution or organization for any academic qualification, certification or recognition.

All information, data and content included in this project have been properly cited and acknowledged wherever applicable.

I take full responsibility for the authenticity of the work and any errors therein.

Place: Chatrapur

Date:

Abinash Behera
Signature

SONOCHEMISTRY: PRINCIPLES AND APPLICATIONS

A Dissertation Submitted

By

ADITYA SAHU

Roll no. - CH2322873

Regd. No. – 05315/2022



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର
Government Science College, Chatrapur, Ganjam

For the evaluation of paper DSE-IV of semester VI

In partial fulfillment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
Prasanna
29-03-25

Declaration of student

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

Name – Aditya Sahu

Exam roll number – CH2322873

Registration number – 05315/2022

Signature – Aditya Sahu

ARTIFICIAL LEAVES: SOLVING THE ENERGY CRISIS BY MIMICKING NATURE

A dissertation submitted

By

ANJALI DAS

Roll no -CH2322874

Regd. no – 05316/2022

Government Science College, Chatrapur, Ganjam



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର
For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
BKas
29-03-22

Declaration of student

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name – Anjali Das

Exam roll number – CH2322874

Registration number – 05316/2022

Signature – *Anjali Das*

THE INFLUENCE OF COSMIC RAYS ON CHEMICAL REACTION

A dissertation submitted by

APARNA BARIKI

EXAM ROLL.NO: CH2322875

REGISTRATION NUMBER:05317/2022

GOVERNMENT SCIENCE COLLEGE, CHATRAPUR, GANJAM



For the evaluation of paper DSE-IV of semester VI

In partial for the award of the degree of Bachelor of science in chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
Dean
29.03.21

Declaration of student

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name- APARNA BARIKI

Exam roll number- CH2322875

Registration number-05317/2022

Aparna Bariki

APPLICATION OF CLICK CHEMISTRY IN MEDICINE

A dissertation submitted

By

AROSHI MAJHI

Roll no -CH2322876

Regd. no – 05318/2022

Government Science College, Chatrapur, Ganjam



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
B.K. Das
29.03.21

Declaration of student

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name – Aroshi Majhi

Exam roll number – CH2322876

Registration number – 05318/2022

Signature – Aroshi Majhi

WATER TREATMENT USING GREEN CHEMISTRY

A dissertation submitted by :

ASHALATA MANADAL

Roll No-CH2322877

Reg. No- 05319/2022

Government Science College, Chatrapur, Ganjam

In For the evaluation of paper DSE-IV of semester Vi

in partial fulfilment for the award of the degree



of

Bachelor of Science.

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur.

Evaluated
Behera
29.05.21



DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

Name – Ashalata Manadal

Exam roll number – CH2322877

Registration number – 05319/2022

Signature – Ashalata mandal

SOME IMPORTANT SYNTHETIC REAGENTS USED IN PHARMACEUTICAL CHEMISTRY AND THEIR APPLICATIONS

A dissertation submitted

By

Ashutosh Swain

Roll no -CH2322878

Regd. no – 05320/2022

Government Science College, Chatrapur, Ganjam



For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur

Evaluated
Blcom
29.03.21



Declaration of student

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

Name – Ashutosh Swain

Exam roll number – CH2322878

Registration number – 05320/2022

Signature – Ashutosh Swain

GOVERNMENT SCIENCE COLLEGE, CHATRAPUR



PROJECT REPORT ON
INDUSTRIAL MANUFACTURE OF SODIUM THIOSULFATE,
USES OF SODIUM THIOSULFATE AND PRECAUTIONS

UNDER THE GUIDANCE OF: DR. LAXMI NARAYAN SAHOO
GOVERNMENT SCIENCE COLLEGE, CHATRAPUR
SUBMITTED BY: BALARAM MAHANKUDA
ROLL NO: CH2322879

Evaluated
BK on
29.03.21

Affiliated to Berhampur University, Berhampur

DEPARTMENT OF CHEMISTRY
GOVERNMENT SCIENCE COLLEGE, CHATRAPUR
PIN: 761020

DECLARATION

I, **BALARAM MAHANKUDA**, hereby declare that the project work entitled "**INDUSTRIAL MANUFACTURE OF SODIUM THIOSULFATE, USES OF SODIUM THIOSULFATE AND PRECAUTIONS**" submitted to **GOVERNMENT SCIENCE COLLEGE, CHATRAPUR** is my original work and has been carried out under the guidance of **DR. LAXMI NARAYAN SAHOO**.

I further declare that this project has not been submitted, either in part or in full, to any other institution or organization for any academic qualification, certification or recognition.

All information, data and content included in this project have been properly cited and acknowledged wherever applicable.

I take full responsibility for the authenticity of the work and any errors or omissions therein.

Place: Chatrapur

Date:

BALARAM MAHANKUDA

Balaran Mahankuda

“Chemistry of Cement”

A dissertation submitted

By

Banikula Basudev Reddy

Roll no- CH2322880

Regdno-05322/2022

Government science college, Chatrapur, Ganjam



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ , ଛତ୍ରପୁର

For the evaluation of paper DSE-IV of Semester-VI
In partial fulfillment for the award of the degree
Of

Bachelor of Science

In Chemistry

Berhampur university, Bhanja Bihar, Berhampur



Evaluated
BKor
29.03.21

DECLARATION OF STUDENT

I hereby that the project work presented in this report has been carried by us and.
this project has not been carried out earlier in this institute and the university.

Name – Banikula Basudev

Reddy

Exam roll number – CH2322880

Registration number – 05322/2022

Banikula Basudev Reddy

AROMATICITY AND AROMATIC COMPOUNDS

A dissertation submitted

By

D.ANKITA

Roll no -CH2322881

Regd. no – 05324/2022

Government Science College, Chatrapur, Ganjam



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
Atkar
29.05.21

Declaration of student

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

Name – D.Ankita

Exam roll number – CH2322881

Registration number – 05324/2022

Signature – D. Ankita

ORGANIC SOLAR CELL,

A dissertation submitted

By

J GAYATRI

Roll no -CH2322882

Regd. no – 05326/2022

Government Science College, Chatrapur, Ganjam



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
PKM
29.03.20

Declaration of student

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

Name – J Gayatri

Exam roll number – CH2322882

Registration number – 05326/2022

Signature – *J Gayatri*

BIODEGRADABLE PLASTICS

A dissertation

Submitted by

KANHA SWAIN

College roll no : BS(P)-22-228

Exam roll no : CH2322883



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
BK
29.05.25

DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name – Kanha Swain

Exam roll number – CH2322883

Registration number – 05327/2022

Signature – Kanha Swain

Chemistry of Antacids

A dissertation submitted

By

Kiran Kumar Debata

Roll no. CH2322884

Regd. No. 05328/2022

Government Science College , Chatrapur ,Ganjam



For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of Science

In chemistry

Berhampur University, Bhanja Bihar , Berhampur



Evaluated
PKS
29.03.25

Declaration of Student :

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and this university.

Name : Kiran Kumar Debata

Exam roll number : CH2322884

Registration number : 05328/2022

Signature : Kiran Kumar Debata

ARTIFICIAL PHOTOSYNTHESIS

A dissertation submitted by

LIPIKA CHARTY

EXAM ROLL NUMBER : CH2322885

REGISTRATION NUMBER: 05329/2022

GOVERNMENT SCIENCE COLLEGE, CHATRAPUR, GANJAM



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

For the evaluations of paper DSE-IV of semester VI

In partial for the award of the degree of Bachelor of science in chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
Bkms
29.03.21

Declaration of student

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out early in this institute and the university

Name: Lipika Charty

Exam roll number: CH2322885

Registrationnumber: 05329/2022

Signature: *Lipika charty*

PROTECTING GROUP FOR AMINES

A Dissertation Submitted

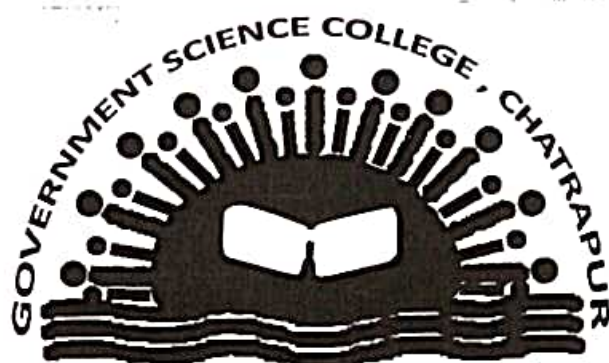
By

LIZA RANI BISWAL

Roll no. -CH2322886

Registration no. – 05330/2022

Government Science College, Chatrapur, Ganjam



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର
For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
Biswas
29.03.21

Declaration of student

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

Name – Liza Rani Biswal

Exam roll number – CH2322886

Registration number – 05330/2022

Signature – *Liza rani Biswal*

CHEMISTRY OF FRAGRANCES

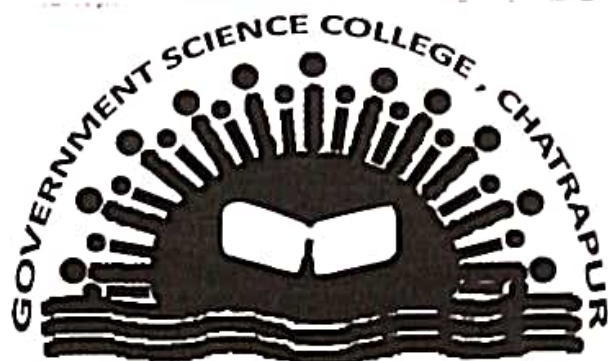
A dissertation submitted

By

M TAPASWINI PRADHAN

Roll no -CH12322887

Regd. no – 05331/2022



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

Government Science College, Chatrapur, Ganjam

For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur

*Evaluated*
Prady
29.03.24

Declaration of student

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

Name – M Tapaswini Pradhan

Exam roll number – CH2322887

Registration number – 05331/2022

Signature – M Tapaswini Pradhan

IONEXCHANGE CHROMATOGRAPHY

A dissertation

submitted By

MAMALI SAHU

Roll number -CH2322888

Registration number –05332/2022

Government science college, Chatrapur, Ganjam



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of Bachelor of science In Chemistry

Berhampur University, Bhanja Bihar, Berhampur

Evaluated
Bhoni
29.03.25



DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name—MAMALI SAHU

Exam roll number – CH2322888

Registration number – 05332/2022

Signature- *Mamali sahu*

SYNTHESIS AND CHARACTERIZATION
OF EYE DROPS

A dissertation submitted

By

Mukteswar. Sahu.

Roll no – CH2322889

Regd no – 05334/2022



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର
Government Science College, Chatrapur, Ganjam

For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
(B. Sahu)
29.03.21

DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name – Mukteswar Sahu

Exam roll number – CH2322889

Registration number – 05334/2022

Signature- Mukteswar Sahu.

ARTIFICIAL PROTEINS AND THEIR FUTURE

A dissertation

Submitted by

NALINIKANTA BADATYA

College roll no : BS(P)-22-023

Exam roll no : CH2322891



For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur

Evaluated
Dikar
29.03.21



DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name – Nalinikanta Badatya

Exam roll number – CH2322891

Registration number – 05336/2022

Signature – Nalinikanta Badatya

LIPID CHEMISTRY

A Dissertation

Submitted By

Pratibha Kumari Sahu

Roll no – CH2322893 Regd. No – 05339/2022

Government Science College, Chatrapur, Ganjam



For the evaluation of paper DSE-IV of
semester VI In partial fulfillment for the

award of the degree Of

Bachelor of

Science,

Department of

Chemistry

Berhampur University, Bhanja Bihar, Berhampur

Evaluated
Bikash
29.05.24



DECLARATION OF STUDENT

I hereby declare that we have carried out the project work presented in this report, and this project has not been carried out earlier in this institute or the university.

Name – **Pratibha Kumari Sahu**

Exam roll number – CH2322893

Registration number – 05339/2022

Signature *Pratibha Kumari Sahu.*

PLASTIC POLLUTION

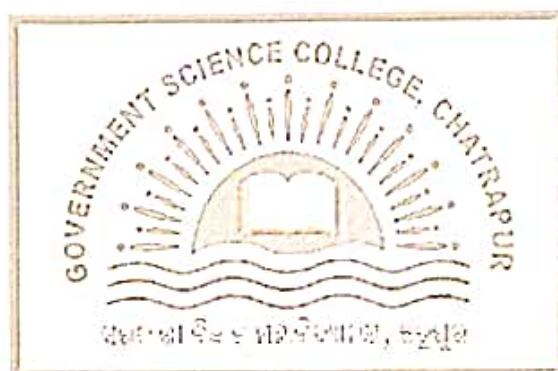
A dissertation submitted by

PREETISH PANDA

EXAM ROLL NUMBER: CH2322894

REGISTRATION NUMBER: 05340/2022

GOVERNMENT SCIENCE COLLEGE, CHATRAPUR, GANJAM



For the evaluations of paper DSE-IV of semester VI

In partial for the award of the degree of Bachelor of science in chemistry



Evaluated
Pk
29/03-24

Berhampur University (Bhanja Bihar), Berhampur

Declaration Of student

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out early in this institute and the university

Name- PREETISH PANDA

Exam roll number- CH2322894

Registration number -05340/2022

Signature - *Preetish Panda*

CARBON NANOTUBES: SYNTHESIS, TYPES AND APPLICATIONS

A dissertation submitted

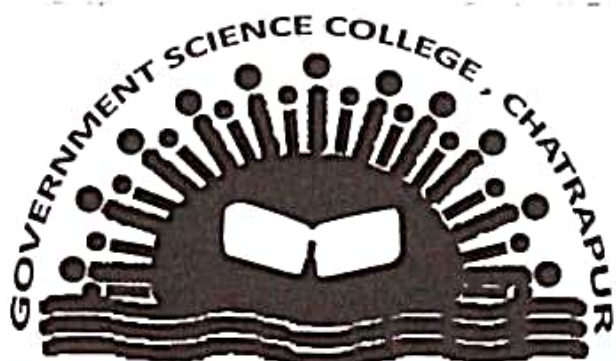
By

PUJA PADHY

Roll no -CH2322895

Regd. no – 05341/2022

Government Science College, Chatrapur, Ganjam



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
AKM
29.03.25

Declaration of student

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

Name – Puja Padhy

Exam roll number – CH2322895

Registration number – 05341/2022

Signature – *Puja Padhy*

GOLD NANOPARTICLES AND SYNTHESIS FROM BIODEGRADABLE WASTE

A dissertation submitted

By

RAHUL POLLAI

Roll no -CH2322896

Regd. no – 05342/2022

Government Science College, Chatrapur, Ganjam



For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluator
D. Das
29.03.24

Declaration of student

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

Name – Rahul Pollai

Exam roll number – CH2322896

Registration number – 05342/2022

Signature – *Rahul Pollai*

BIOFUELS AS AN ALTERNATIVE SOURCE OF ENERGY

A project Report By

RASMITA BADATYA

Roll number-CH2322897

Registration number-05343/2022

Govt Science College, Chatrapur, Ganjam



For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree Of Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
Dhan
29.03.21

DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name – RASMITA BADATYA

Exam roll number – CH2322897

Registration number – 05343/2022

Signature- *Rasmita Badatya*

INDUSTRIAL MANUFACTURE OF CO₂ AND METHODS OF RECOVERY

A dissertation submitted
By
RUDRA BEHERA
Roll no-CH2322898
Regd.no-05344/2022

Government Degree science college, Chatrapur, Ganjam



For the evaluation of paper DSE-IV of semester VI
In partial fulfilment for the award of the degree
Of
Bachelor of science
In chemistry
Berhampur University, Bhanja Bihar , Berhampur



Evaluated
Dk
29/03/21

Declaration of student

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name – **RUDRA BEHERA**

Exam roll number- **CH2322898**

Registration number- **05344/2022**

Signature - *Rudra Behera*

Dry Ice Blast Cleaning: A Modern Industrial Cleaning Technique

A dissertation

Submitted by

RUDRA NARAYAN BEHERA

College roll no : BS(P)-22-112

Exam roll no : CH2322899



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
BK
29.03.21

DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

Name – Rudra Narayan Behera

Exam roll number – CH2322899

Registration number – 05345/2022

Signature - Rudra Narayan Behera

Nature's Pharmacy: Exploring Medicinal Plants for Healing

A dissertation

Submitted by

SAGAR SETHY

College roll no : BS(P)-22-259

Exam roll no : CH2322900



For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
Prasad
29.03.21

DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name – Sagar Sethy

Exam roll number – CH2322900

Registration number – 05346/2022

Signature - Sagar Sethy

ORGANIC PHOTOCHEMISTRY

A dissertation submitted

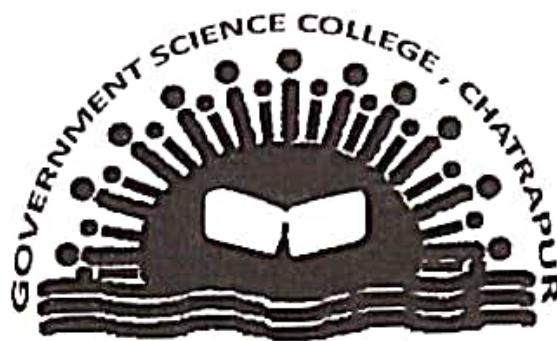
By

SHIWETARANI BEHIERA

Roll no – CH2322901

Regd. no – 05347/2022

Government Science College, Chatrapur, Ganjam



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
Bhaskar
29.03.25

DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name: Shwetrani behera

Exam Roll No : CH2322901

Registration Number: 05347/2022

Signature: *Shwetrani Behera*

ECO FRIENDLY CLEANING AGENTS

A dissertation

Submitted by

SIBA SANKAR BEHERA

College roll no : BS(P)-22-009

Exam roll no : CH2322902



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree

Of

Bachelor of science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



Evaluated
Rkay
29.03.21

DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by me and this project has not been carried out earlier in this institute and the university.

Name – Siba Sankar Behera

Exam roll number – CH2322902

Registration number – 05348/2022

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CHEMISTRY OF URANIUM

A dissertation submitted

By

SITAL PATRA

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ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର
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In partial fulfilment for the award of the degree

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Evaluation
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29.03.21

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I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

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HYDROGEN: PRODUCTION, SAFETY, AND APPLICATION

A dissertation Submitted

By

SNEHA BEHERA

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**For the evaluation of paper DSE-IV of Semester VI
In partial fulfillment for the award of the degree**

Of

Bachelor of Science

In

Chemistry Honours

Berhampur University, Bhanja Bihar, Berhampur



Evaluated

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29.03.25*

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CATALYSIS AND BIO-CATALYSIS

A Project By

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ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର

For The Evaluation Of Paper DSE-IV Of Semester VI
In Partial Fulfillment Of The Award Of The Degree Of
Bachelor of Science In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



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DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university.

Name – SNEHA KHUNTIA

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GREEN SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES

Project report submitted for the partial fulfilment of sixth
semester +3 science (Chemistry Honours) Examination ,2025

BY

Sudhansu Pradhan

Class Roll no: BS(P)-22-293

Exam Roll no: CH2322906

Regd. No:05352/2022

Batch:2022-25

Under the guidance of

Dr. Laxmi Narayan Sahoo



Evaluated
Ok
24.03.25

DEPARTMENT OF CHEMISTRY
GOVERNMENT SCIENCE COLLEGE, CHATRAPUR.

DECLARATION OF STUDENT

I hereby declare that the project work presented in this report has been carried by us and this project has not been carried out earlier in this institute and the university..

Name:- **Sudhansu Pradhan.**

Exam Roll Number :-**CH2322906**

Registration Number :- **05352/2022**

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NO_xREDUCTIONBY SCRTECHNOLOGY

A project Report By

SUNALI SAHU

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For the evaluation of paper DSE-IV of semester VI

In partial fulfilment for the award of the degree Of Bachelor of science
In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



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29.03.24

DECLARATION OF STUDENTS

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Name – SUNALI SAHU

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Registration number – 05353/2022

Signature- *Sunali Sahu*

PROTECTING GROUP OF ALCOHOLS IN ORGANIC SYNTHESIS

A dissertation submitted

By

SWAPNA RANI ACHARYA

Roll no-CH2322908

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Government Science College, Chatrapur, Ganjam.



For the evaluation of paper DSE-IV of semester VI

In partial fulfillment for the award of the degree

Of

Bachelor of Science

In Chemistry

Berhampur University, Bhanja Bihar, Berhampur



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29.03.21

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Exam roll number: CH2322908

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Swapna Rani Acharya

ENOLATES IN ORGANIC SYNTHESIS

A Dissertation Submitted

By

JYOTIRMAYEE SAHU

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Government Science College, Chatrapur, Ganjam



ସରକାରୀ ବିଜ୍ଞାନ ମହାବିଦ୍ୟାଳୟ, ଛତ୍ରପୁର
For the evaluation of paper DSE-IV of semester VI

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Declaration of student

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