

A  
**DISSERTATION REPORT**  
ON

" DETAILED STUDY OF MALERIAL DRUGS AND  
IT'S EFFECT"

"IN PARTIAL FULFILLMENT FOR THE AWARD OF  
MASTER OF SCIENCE IN CHEMISTRY

**(SANT GAHIRA GURU UNIVERSITY AMBIKAPUR)**



**SESSION - 2021-22**

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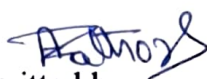
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RAJEEV GANDHI GOVT. POST GRADUATE  
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Session 2021-22

“A DISSERTATION REPORT”

Dissertation report title “ANALYSIS OF MUNICIPAL  
WATER TREATMENT IN SURAJPUR ”

Department of chemistry (M.Sc. 4<sup>th</sup> sem.)

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Submitted By

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*SURAJPUR ” is a record of*

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# “STUDY ON FERTILIZERS IN AGRICULTURAL FIELD OF SURGUJA”



Session 2021-22

“A DISSERTATION REPORT”

R.G. Govt.Auto.P.G. College AMBIKAPUR SURGUJA (C.G.)

*In the partial Fulfillment of Requirements*

*For the Award of the Degree of*

**MASTER OF SCIENCE**

**IN**

**CHEMISTRY**

**SUPERVISED BY**

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Supervisor



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Session 2021-22

**"A DISSERTATION REPORT"**

Dissertation report title

**" A study on Analysis of Food Adulteration "**

Department of chemistry (M.Sc. 4th sem.)

Submitted By

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**Session 2021-22**

**“A DISSERTATION REPORT”**

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Session – 2021-22



M. Sc. CHEMISTRY

of Degree of

A Dissertation Submitted in Partial Fulfillment of Requirements for the Award

“Analysis of physical and chemical parameter of  
Drinking Water in Ambikapur”

A Dissertation On



Dr. Rashida Parvez  
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**CERTIFICATE**

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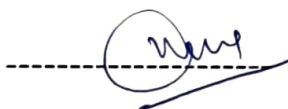
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**Session 2021-22**

**" A DISSERTATION REPORT "**

**Entitled**

**Role of Haemoglobin in living organisms**

**Submitted To Department Of Chemistry**

***In the partial fulfilment of requirements***

***for the award of the degree of***

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### **LEVEL OF HAEMOGLOBIN**

Normal Haemoglobin

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Session 2021-22

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## CONTENT

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RAJEEV GANDHI GOVT. POST GRADUATE  
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Session 2021-22

" A DISSERTATION REPORT "

Entitled

**A SOIL ANALYSIS IN PATHALGAON**

Submitted To Department Of Chemistry

*In the partial fulfilment of requirements*

*for the award of the degree of*

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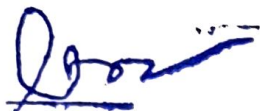
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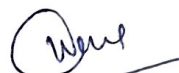
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**Session 2021-22**

**" A DISSERTATION REPORT "**

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This is to certify that **Kiran Kerketta** (Msc chemistry 4<sup>th</sup> semester Rajiv Gandhi govt. post graduate college Ambikapur (C.G) has submitted the dissertation entitled “**solid waste garbagemanagement in sargujadistrict**” for partial fulfillment of requirement for Msc chemistry. I hereby recommend and forward the dissertation to the university for the award of Msc chemistry during the academic session 2021-22

*Kiran*

STUDENT

**KIRAN KERKETTA**

M.Sc chemistry 4<sup>th</sup> sem.

Roll no.- 11 (220402011)

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SUPERVISOR

**MRS. SAROJ TIRKEY**

Head of chemistry department  
Rajiv Gandhi govt. post graduate  
college Ambikapur (C.G)

*Saroj*



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**"ROLE OF BIOMOLECULES IN LIVING ORGANISMS"**



**Session 2021- 22**

**"A DISSERTATION REPORT"**

**Rajeev Gandhi Government Post Graduate Autonomous  
College Ambikapur Surguja (C.G.)**

**In Partial Fulfillment of the Requirements  
For the Award of the Degree of  
Master of Science  
In  
Chemistry**

**Supervised by:**

*Dr. S. K. Sinha*

Asst. Prof. Dept. of Chemistry

R.G.G.P.G. College Ambikapur

*Anand*  
**Submitted by:**

**Lavnya Anand**

MSc Chemistry (IV Sem)

Enrolment no – AS/20/38

Roll No - 220402012

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**DEPARTMENT OF CHEMISTRY**

**“RAJEEV GANDHI GOVERNMENT POST GRADUATE AUTONOMOUS  
COLLEGE AMBIKAPUR SURGUJA C.G.”**

This is to certify that the dissertation of **“ROLE OF BIOMOLECULES IN LIVING ORGANISMS”** is a record of independent research work done by **LAVNYA ANAND** under my supervision during 2021-22 session submitted to the Rajeev Gandhi Government Post Graduate Autonomous College, Ambikapur, Surguja, C.G., India in partial fulfilment for the award of the degree of **MSc Chemistry** and that the dissertation has not previously formed the basis for the award of any other degree or other title.



Signature of  
Supervisor



Signature of  
H.O.D. of Chemistry

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**RAJIV GANDHI GOVT. POST GRADUATE  
AUTONOMOUS COLLEGE AMBIKAPUR SURGUJA (C.G.)**



**Session 2021 - 22**

**“A DISSERTATION REPORT”**

**Dissertation report title “Study On Soil Analysis In Surguja District”**

**Department of chemistry (M.Sc. 4<sup>th</sup> sem.)**

**SUBMITTED BY**

**MANISHA MANDAL**

**M.Sc. chemistry**

**Enrolment No. - – AS/20/39**

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Under the Guidance of

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Govt. R.G.P.G. Collage Ambikapur

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**Smt. Saroj Tirkey**

Assi. Prof. Dept. of Chemistry

Govt. R.G.P.G. Collage Ambikapur

**“AFFILIATED TO SANT GAHIRA GURU VISHWAVIDALAYA SURGUJA, AMBIKAPUR”**

## CERTIFICATE OF SUPERVISOR

### DEPARTMENT OF CHEMISTRY

**"RAJEEV GANDHI GOVT. POST GRADUATE AUTONOMOUS**

**COLLEGE AMBIKAPUR SURGUJA C.G. "**

This is to certify that the dissertation of " Study on Soil Analysis in Surguja District"

Is a record of independent research work done by MANISHA MANDAL Under my supervision during 2021-2022 session submitted to the Rajeev Gandhi Govt. Post Graduate Autonomous College Ambikapur Surguja C.G. India in partial fulfillment for the award of the degree of M.Sc. Chemistry and that the dissertation has not previously formed the basis for the award of any other degree or other title.



Sign. of Supervisor



Sign. Of H.O.D. Chemistry



Sign. Of Principal

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A  
**DISSERTATION REPORT**  
**ON**

"A STUDY ON WASTE WATER MANAGEMENT IN  
AMBIKAPUR "

"IN PARTIAL FULFILLMENT FOR THE AWARD OF  
MASTER OF SCIENCE IN CHEMISTRY



**SESSION - 2021-22**

**GUIDED BY.**

SMT. SAROJ TIRKEY  
HOD. OF CHEMISTRY  
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*NeHa Kashyap*  
**SUBMITTED BY**

NEHA KASHYAP  
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**GOVT- RAJIV GANDHI P.G. AUTONOMOUS COLLEGE**  
**AMBIKAPUR SURGUJA (C.G.)**



## CERTIFICATE OF SUPERVISOR


This is to Certify that AGATHA KUJUR, M.Sc. Chemistry 4<sup>th</sup> Semester RAJIV GANDHI GOVT. P.G. COLLEGE AMBIAKPUR C.G. has submitted the dissertation entitled "A STUDY ON WASTE WATER MANAGEMENT IN AMBIKAPUR " I hereby recommended and dissertation to the Govt. R.G.P.G. College for the award of M.Sc. Chemistry during academic session 2020-21.

*Neha Kashyap*  
Submitted by

**NEHA KASHYAP**

  
**SUPERVISOR**

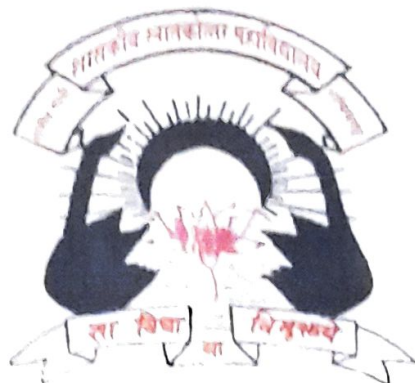
SMT. SAROJ TIRKEY  
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DEPARTMENT  
(R.G.P.G Collge ambikapur )

# CONTENT

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RAJEEV GANDHI GOVT. POST GRADUATE  
AUTONOMOUS COLLEGE AMBIKAPUR SURGUJA C.G.



Session 2021-22

"A DISSERTATION REPORT"

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"RAJEEV GANDHI GOVT. POST GRADUATE AUTONOMOUS  
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This is to certify that the dissertation of

" **Medical waste and it's Management**"is a record of independent research work done by **Pramila** under my supervision during 2021-2022 session submitted to the Rajeev Gandhi Govt. Post Graduate Autonomous College Ambikapur Surguja C.G. India in partial fulfilment for the award of the degree of M.Sc. Chemistry and that the dissertation has not previously formed the basis for the award of any other degree or other title.



Signature of

Supervisor

**Shri Sandeep Kumar Kushwaha**



Signature of

**H.O.D. Chemistry**

**Smt. Saroj Tirkey**

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**RAJEEV GANDHI GOVT. POST  
GRADUATE AUTONOMOUS COLLEGE  
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**Session 2021-22**

**“A DISSERTATION REPORT”**

Dissertation report title “ **MUNICIPAL WASTE WATER  
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C.G.”**


*This is to certify that the dissertation of “**MUNICIPAL  
WASTE WATER ANALYSIS IN AMBIKAPUR***

*” is a record of*

*independent research work done by **PRIYANKA** under my  
supervision during 2021-2022 session submitted to the Rajeev  
Gandhi Govt. Post Graduate Autonomous College Ambikapur  
Surguja*

*C.G. India in partial fulfilment for the award of the degree of M.Sc.  
Chemistry and that the dissertation has not previously formed  
the basis for the award of any other degree or other title.*

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of  
Supervisor

  
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Signature of  
H.O.D. Chemistry

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Principal

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**“Chemical Analysis of Human Blood And  
Its Testing Methods”**

With Special Reference of Human Blood And  
Its Testing Methods



Dissertation Report Submitted to The  
Rajiv Gandhi P.G. Autonomous College Ambikapur  
Master of Science (M.Sc. 4th semester) in  
Chemistry

By

Ratnajalee Mahant

(Enrollment No - AS/20/45)

(Roll No. – 220402017)

Under the supervision of

Mr. Sandeep Kushwaha

Department of Chemistry R.G.Govt. P.G. College Ambikapur



DEPARTMENT OF CHEMISTRY

RAJIV GANDHI P.G. AUTONOMOUS COLLEGE

AMBIKAPUR, SARGUJA-497001, CHHATTISGARH, INDIA

July 2022

## Certificate

This is to certify that the work contained in their skill development report entitled "Chemical Analysis of Human Blood And Its Testing Methods" submitted by Ratnajalee Mahant (Enroll No. AS/20/45) for the award of the degree of M.Sc. Chemistry 4<sup>th</sup> semester to the Rajiv Gandhi PG (Autonomous) College Ambikapur is a record of bonafide training works carried out by her under my direct supervision and guidance.

It considered that the dissertation report has reached the standards and fulfilling the requirements of the rules and regulations relating to the nature of the degree. the contents embodied in the dissertation report have not been summited for the award of any other degree or diploma in this or any other university.

Date :

Place:

  
Signature of H.O.D.



Mrs. Saroj Tirkey  
Head of Chemistry Department  
R.G. Govt. P.G. College Ambikapur

## **CONTENT**

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RAJEEV GANDHI GOVT. POST GRADUATE  
AUTONOMOUS COLLEGE AMBIKAPUR SARGUJA C.G.

Session 2021-22

"A DISSERTATION REPORT "

Dissertation report title entitled "A PHYSICO CHEMICAL ANALYSIS OF SURFACE  
WATER OF KUNKURI BLOCK "

Department of chemistry ( M.Sc. 4<sup>th</sup> sem. )

Submitted by

**RITA GUPTA**

M.Sc. chemistry

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" AFFILIATED TO SANT GAHIRA GURU  
VISHWAIDALAYA SURGUJA , AMBIKAPUR "

## CERTIFICATE OF SUPERVISOR

RAJEEV GANDHI GOVT. POST GRADUATE AUTONOMOUS  
COLLEGE AMBIKAPUR SURGUDA C.G.

This is the certify that Miss Rita gupta ,M.Sc. chemistry 4<sup>th</sup> Semester has submitted that the dissertation entitled " physico chemical ananalysis of water " I hereby recommended this dissertation to the Rajeev Gandhi govt. post graduate Autonomous college Ambikapur for the award of M.Sc . chemistry during academic.

session 2021-22



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Signature of  
supervisor



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Signature of H.O.D.  
Chemistry

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Signature of H.O.D.  
Principal

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A  
**DISSERTATION REPORT**  
ON

**“Assessment of coal quality of kumda 7/8  
bisrampur chhattisgarh”**

"IN PARTIAL FULFILLMENT FOR THE AWARD OF  
MASTER OF SCIENCE IN CHEMISTRY



**SESSION – 2021-22**

**GUIDED BY.**

Mr. SANDEEP KUSHWAHA  
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*Rubina Khatun*

**SUBMITTED BY**

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M.SC CHEMISTRY  
Enrolment no AS/20/47  
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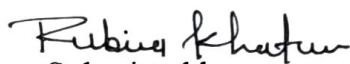
**DEPARTMENT OF CHEMISTRY**

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**GOVT- RAJIV GANDHI P.G. AUTONOMOUS COLLEGE  
AMBIKAPUR SURGUJA (C.G.)**

## CERTIFICATE OF SUPERVISOR

This is to certify that **Rubina Khatun GH**, M.Sc. Chemistry 4<sup>th</sup> Semester **RAJIV GANDHI GOVT. P.G. COLLEGE AMBIAKPUR C.G.** has submitted the dissertation entitled **“Assessment of coal quality of kumda 7/8 bisrampur chhattisgarh”** I hereby recommended and dissertation to the Govt. P.G. College for the award of M.Sc. Chemistry during academic session 2021-22.

  
Submitted by

**RUBINA KHATUN**



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H.O.D

(Chemistry)

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**RAJEEV GANDHI GOVT. POST GRADUATE  
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C.G.**



**Session 2021-22**

**“A DISSERTATION REPORT”**

Dissertation report title **“DETAIL STUDY OF CANCER AND  
ITS TREATMENT ”**

Department of chemistry (M.Sc. 4<sup>th</sup> sem.)

Submitted By

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Roll no.- 220402020

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**CERTIFICATE OF SUPERVISOR**

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**“RAJEEV GANDHI GOVT. POST GRADUATE  
AUTONOMOUS COLLEGE AMBIKAPUR SURGUJA  
C.G.”**

*This is to certify that the dissertation of “**DETAIL STUDY OF  
CANCER AND ITS TREATMENT**”*

*s a record of*

*independent research work done by **RUKMANI** under my  
supervision during 2021-2022 session submitted to the Rajeev  
Gandhi Govt. Post Graduate Autonomous College Ambikapur  
Surguja*

*C.G. India in partial fulfilment for the award of the degree of M. Sc.  
Chemistry and that the dissertation has not previously formed  
the basis for the award of any other degree or other title.*



Signature  
of  
Supervisor



Signature of  
H.O.D. Chemistry



Signature of  
Principal

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Λ

**DISERTATION REPORT**

**ON**

**" STUDY OF WATER POLLUTION IN LAKHANPUR BLOCK "**

**"IN PARTIAL FULFILMENT FOR THE AWARD OF MASTER OF SCIENCE  
IN CHEMISTRY"**

**(SANT GAHIRA GURU UNIVERSITY AMBIKAPUR)**



**SESSION – 2021-22**

DEPARTMENT OF CHEMISTRY

GOVT. RAJIV GANDHI P.G. AUTONOMOUS COLLEGE

AMBIKAPUR SURGUJA (C.G.)

**GUIDED BY**

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Enroll.No- AS/20/49  
ROLL NO.- 210302021**

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**RAJEEV GANDHI GOVT. POST GRADUATE  
AUTONOMOUS COLLEGE AMBIKAPUR  
SURGUJA C.G.**



**Session 2021-22**

**"A DISSERTATION REPORT"**

Dissertation report title

**"CHEMICAL ANALYSIS OF COSMETICS"**

Department of chemistry (M.Sc. 4<sup>th</sup> sem.)

*Santi*  
Submitted By

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M.Sc. chemistry

Enrolment no. – AS/20/50

Roll no.- 220402022

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Head of Department  
**Smt. Saroj Tirkey**

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**"AFFILIATED TO SANT GAHIRA GURU VISHWADALAYA  
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CERTIFICATE OF SUPERVISOR

DEPARTMENT OF CHEMISTRY

**"RAJEEV GANDHI GOVT. POST GRADUATE  
AUTONOMOUS COLLEGE AMBIKAPUR SURGUJA C.G."**

*This is to certify that the dissertation of "chemical analysis of cosmetics" is a record of independent research work done by sanmatee Bai under my supervision during 2021-2022 session submitted to the Rajeev Gandhi Govt. Post Graduate Autonomous College Ambikapur Surguja C.G. India in partial fulfilment for the award of the degree of M.Sc. Chemistry and that the dissertation has not previously formed the basis for the award of any other degree or other title.*



Signature of  
Supervisor



Signature of  
H.O.D. Chemistry



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**RAJEEV GANDHI GOVT. POST GRADUATE  
AUTONOMOUS COLLEGE AMBIKAPUR  
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**Session 2021-22**

**“A DISSERTATION REPORT”**

**Dissertation report title**

**“CHEMICAL STUDY ON CALORIFIC & NUTRIENT VALUE OF OIL SEED”**

**Department of chemistry (M.Sc. 4<sup>th</sup> sem.)**

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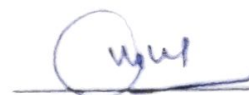
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**SESSION-2021-22**

**"A DISSERTATION REPORT"**

Dissertation report title

**"IMPACT OF HERBICIDES ON CROPS AND SOIL AND IT'S METHOD  
OF ANALYSIS "**

Department of chemistry (M.Sc. 4<sup>th</sup> sem.)

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Session 2021-22

“A DISSERTATION REPORT”

Dissertation report title “MUNICIPAL WASTE WATER  
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**Session 2021-22**

**A DISSERTATION REPORT**

**Dissertation report title:-"CHEMICAL STUDY OF  
SURFACTANTS"**

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Session 2021-22

**“A DISSERTATION REPORT”**

**Entitled**

**“Effect Of Pesticides On Soil Health In Surguja”**

**Submitted To Department Of Chemistry**

*In the partial fulfilment of requirements*

*for the award of the degree of*

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