



OFFICE, PRINCIPAL GOVERNMENT TULSI COLLEGE, ANUPPUR

Affiliated to Awadhesh Pratap Singh University Rewa (MP)

Registered Under Section 2 (F) & 12 (B) of UGC Act

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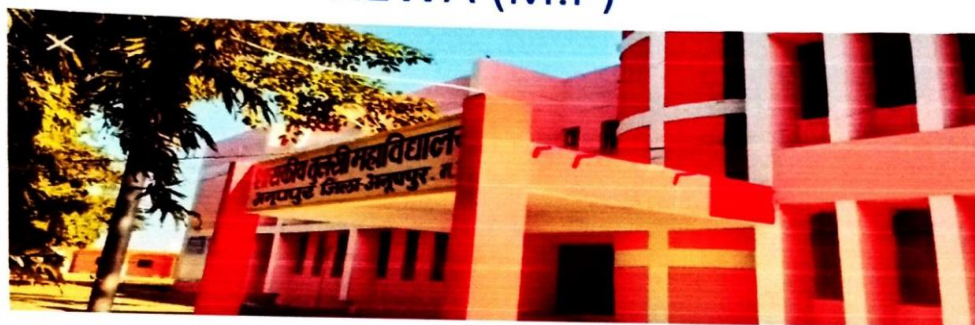
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Project Report of Chemistry

Govt. Tulsi College Anuppur

Distt – Anuppur (M.P)

AWADHESH PRATAP SINGH UNIVERSITY
REWA (M.P)



PROJECT REPORT
ON

PENICILLIN

MASTER OF SCIENCE CHEMISTRY IV SEM
YEAR 2023

PROJECT SUBMITTED TO APSU REWA
FOR THE FULLFIMENT OF REQUIRMENT OF
"GOVT. TULSI COLLEGE ANUPPUR"
DEPARTMENT OF CHEMISTRY

SUBMITTED TO

Mr. Brijendra Singh

SUBMITTED BY

Name- Dimpal Singh

Class- M.S.C. IV Sem.

Chemistry

Roll No- 2101300038

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CERTIFICATE

This is here by to certify that the original and genuien investigation work has been carried out to investigate about he subject matter abd related data collection and investigation has been completed sincerely and satisfactory done by

DIMPAL SINGH

A student of M.S.C. IV sem. Of chemistry 2nd year 2023.

SIGNATURE OF OFFICE HAED

NAME -

SEAL OF OFFICE

DATE

PLACE


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ACKNOWLEDGMENT

MY SELF – DIMPAL SINGH
AND I HAD COMPLETED MY
PROJECT WORK ON PENICILLIN
MY PROJECT UNDER THE GUIDANCE OF
MISTER. BRIJENDRA SINGH


Signature of student


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-: TOPIC NAME :-

- 1. INTRODUCTION**
- 2. DISCOVERY**
- 3. CLASS**
- 4. ANTIMICROBAL ACTIVITY**
- 5. MECHANISM OF RESISTANCE**
- 6. PHARMACOKINETICS**
- 7. PENICILLIN HYPERSENSITIVITY**
- 8. ADVERSE EFFECTS**
- 9. DRUG INTERACTIONS**
- 10. CLINICAL INDICATIONS**
- 11. SUMMARY**


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Introduction

Penicillin is a secondary metabolite produced by certain bacteria, which is used as an antibiotic.

'Antibiotic' literally means against life - but antibiotics only kill life that is harmful to living creatures, i.e. bacteria.

Discovery

The American Chemical Society and Royal Society of Chemistry designated the discovery and development of penicillin an International Historic Chemical Landmark on November 19, 1999 at the Alexander Fleming Laboratory Museum in London UK. The plaque commemorating the event reads:

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In 1928, at St. Mary's Hospital, London Alexander Fleming discovered penicillin. This discovery led to the introduction of antibiotics that greatly reduced the number of deaths from infection.

Howard W. Florey at the University of Oxford working with Ernst B. Chain, Norman G. Heatley and Edward P. Abraham, successfully took penicillin from the laboratory to the clinic as a medical treatment in 1941. The large-scale development of penicillin was undertaken in the United States of America during the 1939-1945 world war, led by scientists and engineers at the Northern Regional Research Laboratory of the US Department of Agriculture, Abbott Laboratories, Lederle Laboratories, Merck and Co., Inc., Chas. Pfizer and Co., Inc. and E.R. Squibb and Sons.


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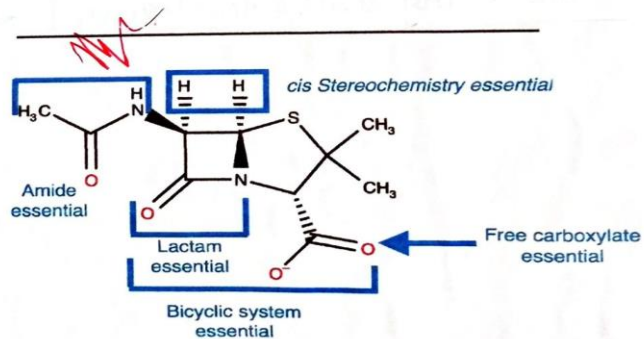
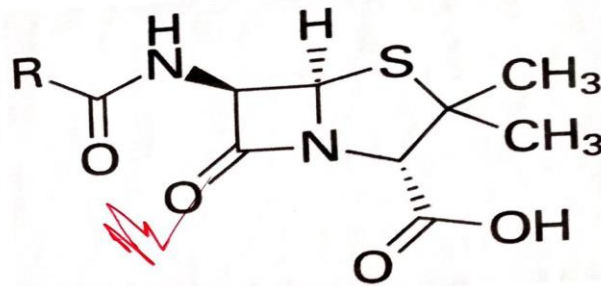
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