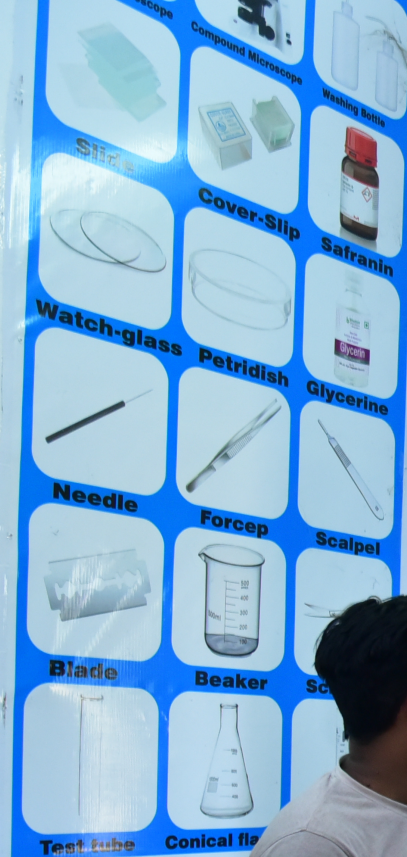


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शासकीय कोदूराम दलित महाविद्यालय
नवागढ़, जिला-बेमेतरा छ.ग.
वनस्पति विज्ञान विभाग

- Introduction
Sometimes a list of dos and don'ts is given to the students.
- DO:**
- Become familiar with experiments before coming to the laboratory.
 - Follow all laboratory instructions carefully.
 - Know the emergency and fire procedures.
 - Ask for clarification on any laboratory procedures that are not clear.
 - Wear provided aprons or laboratory coats.
 - Assume all chemicals are toxic and act accordingly.
 - Read the labels on reagent containers for safety precautions.
 - Have Material Safety Data Sheets (MSDS) available for all chemicals.
 - Keep your work area neat, clean, organized, and clutter-free.
 - Know the location of emergency equipment (first aid kit, fire extinguisher, fire blanket, spill containers, emergency shower, etc.).
 - Use extra caution when working with scalpels, knives, and other sharp objects.
 - Ask for instructor assistance in cleaning up broken glassware.
 - Discard needles, razor blades, scalpel blades, and other sharp objects in a sharps container.
- DO NOT:**
- Begin laboratory work until instructed to do so.
 - Do anything in the laboratory that is not understood.
 - Remove any materials from the laboratory unless instructed to do so.
 - Touch your face when working with cultures.
 - Leave a Bunsen burner or other flame source unattended.
 - Taste or ingest any chemicals or plant material.
 - Handle or consume food or drink in the laboratory.
 - Put chemicals in a sink or in the trash unless instructed to do so.
 - Leave a test tube stopper in place when heating test tubes.
 - Drink from laboratory glassware.





- Know the location of the fire extinguisher, fire blanket, spill containers, emergency exits, and nearest first aid kit.
 - Use extra caution when working with scalpels, knives, glass, and other sharp objects.
 - Ask for instructor assistance in cleaning up broken glass or other sharp objects.
 - Discard needles, razor blades, scalpel blades, and other sharps in the designated "sharps container."
- DO NOT:**
- Begin laboratory work until instructed to do so.
 - Do anything in the laboratory that is not understood or that you are not instructed to do.
 - Remove any materials from the laboratory unless instructed to do so.
 - Touch your face when working with cultures.
 - Leave a Bunsen burner or other flame source unattended.
 - Taste or ingest any chemicals or plant material.
 - Handle or consume food or drink in the laboratory.
 - Put chemicals in a sink or down the drain unless instructed to do so.
 - Leave a test tube stopper in the mouth when using test tubes.
 - Drink from laboratory glassware.



Jeremy Bentham (1748-1832)


He was concerned with social and legal reform & he wanted to develop an ethical theory which established whether something was good or bad according to its benefit for the majority of people.

He called this the principle of utility.

Utility = the usefulness of the results of actions.



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KODURAM DALIT GOVERNMENT COLLEGE

NAWAGARH

DEPARTMENT OF BOTANY

BOTANY LABORATORY DOS AND DON'TS

Introduction

Sometimes a list of dos and don'ts can be a helpful reminder of biology laboratory safety issues.

DO:

- Become familiar with experiments before coming to the laboratory.
- Follow all laboratory instructions carefully.
- Know the emergency and fire procedures.
- Ask for clarification on any laboratory procedures that are not understood.
- Wear specified aprons or laboratory coats.
- Assume all chemicals are toxic and act accordingly.
- Read the labels on reagent containers for safety precautions and understand the chemicals being used. Have Material Safety Data Sheets available for all chemicals.
- Keep your work area neat, clean, organized, and clear of clutter.
- Keep your location of emergency equipment (first aid kit, eyewash, fire extinguishers, fire blanket, spill containers, emergency exits, and nearest telephone) known.
- Use extra caution when working with scalpels, knives, glass tubing, or other sharp objects.
- Ask for instructor assistance in cleaning up broken glass or other sharp objects.
- Discard needles, razor blades, scalpel blades, and other sharp "sharp containers."

DO NOT:

- Begin laboratory work until instructed to do so.
- Do anything in the laboratory that is not understood or that you are not instructed to do.
- Remove any materials from the laboratory unless instructed to do so.
- Touch your face when working with cultures.
- Leave a Bunsen burner or other flame source unattended.
- Poke or ingest any chemicals or plant material.
- Handle or consume food or drink in the laboratory.
- Put chemicals in a sink or in the trash unless instructed to do so.
- Leave a test tube stopper in place when heating test tubes.
- Drink from laboratory glassware.

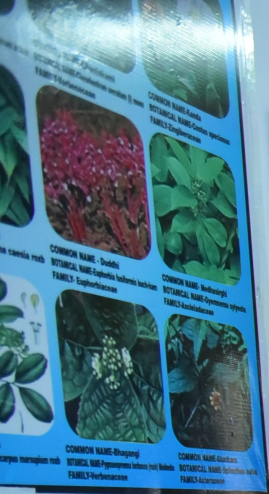
ADITI ENTERPRISES

Administrative Office, 105, Block C,
New International Convention Centre, Sector 41

MARCH 15 2025

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ADDITIONAL NOTES



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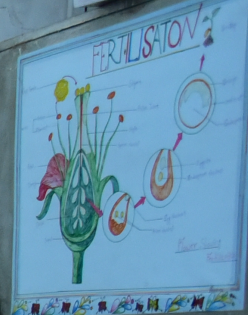
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BOTANY LABORATORY DOS AND DONT'S

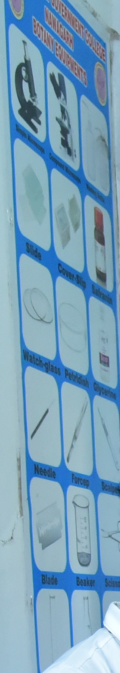
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Sometimes a list of dos and don'ts can be a helpful reminder of biology laboratory safety issues

DO:

- Become familiar with experiments before coming to the laboratory.
- Follow all laboratory instructions carefully.
- Know the emergency and fire procedures.
- Ask for clarification on any laboratory procedures that are not understood.
- Wear provided aprons or laboratory coats.
- Assume all chemicals are toxic and act accordingly.
- Read the labels on reagent containers for safety precautions and understand the chemicals being used. Have Material Safety Data Sheets available for all chemicals.
- Keep your work area neat, clean, organized, and clear of clutter.
- Know the location of emergency equipment (first aid kit, eyewash, fire extinguisher, fire blanket, spill containers, emergency exits, and nearest telephone).
- Use extra caution when working with scalpels, knives, glass tubing or other sharp objects.
- Ask for instructor assistance in cleaning up broken glass or chemicals.
- Discard needles, razor blades, scalpels, and other sharp objects in "sharps containers."
- Begin laboratory work only after you have been instructed by your instructor.
- Do anything in the laboratory that you are not instructed to do.
- Remove any material from the laboratory.
- Touch your face.
- Leave a Bunsen burner unattended.
- Taste or ingest any chemicals.
- Do not use chemicals for anything other than their intended purpose.

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DEPARTMENT OF BOTANY
ZOOLOGY LABORATORY





KODURAM DALIT GOVERNMENT COLLEGE NAWAGARH DEPARTMENT OF BOTANY BOTANY LABORATORY DOS AND DON'TS

- DO:**
- Become familiar with experiments before coming to the laboratory.
 - Follow all laboratory instructions carefully.
 - Know the emergency and fire procedures.
 - Ask for clarification on any laboratory procedures that are not understood.
 - Wear provided aprons or laboratory coats.
 - Assume all chemicals are toxic and act accordingly.
 - Read the labels on reagent containers for safety precautions and understand the chemicals being used. Have Material Safety Data Sheets available for all chemicals.
 - Keep your work area neat, clean, organized, and clear of clutter.
 - Know the location of emergency equipment (first aid kit, eyewash, fire extinguisher, fire blanket, spill containers, emergency exits, and nearest telephone).
 - Use extra caution when working with scalpels, knives, glass tubing or other sharp objects.
 - Ask for instructor assistance when using broken glass or chemicals.
 - Discard needles, scalpels, and other sharp objects in the designated container.
- DON'T:**
- Begin laboratory work until you have received instructions from the instructor.
 - Do anything that you do not understand or that you are not instructed to do.
 - Remove any reagents or equipment from the laboratory without instructor permission.
 - Touch your face or mouth.
 - Leave a reagent container unattended.
 - Taste or smell chemicals.
 - Handle chemicals carelessly.





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BOTANY LABORATORY DOS AND DON'TS

Introduction
Sometimes a list of dos and don'ts can be a helpful reminder of biology laboratory safety issues

DO:

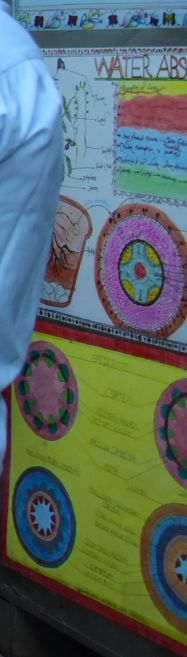
- Become familiar with experiments before coming to the laboratory.
- Follow all laboratory instructions carefully.
- Know the emergency and fire procedures.
- Ask for clarification on any laboratory procedures that are not understood.
- Wear provided aprons or laboratory coats.
- Assume all chemicals are toxic and act accordingly.
- Read the labels on reagent containers for safety precautions and understand the chemicals being used. Have Material Safety Data Sheets available for all chemicals.
- Keep your work area neat, clean, organized, and clear of clutter.
- Know the location of emergency equipment (first aid kit, eyewash, fire extinguisher, fire blanket, spill containers, emergency exits, and nearest telephone).
- Use extra caution when working with scalpels, knives, glass tubing, and other sharp objects.
- Ask for instructor assistance if you break glass or cut yourself.
- Discard needles, razor blades, scalpels, and other sharp items in the designated container.

DON'T:

- Begin laboratory work until you have been properly instructed.
- Do anything in the laboratory that you do not understand or that you are not instructed to do.
- Remove any laboratory equipment without being instructed to do so.
- Touch your face, mouth, or eyes.
- Leave your laboratory apron or coat unattended.
- Taste or smell any chemical.
- Handle any chemical without being instructed to do so.

KODURAM DALIT GOVERNMENT COLLEGE
NAWAGARH
DEPARTMENT OF ZOOLOGY

Introduction
Sometimes a list of dos and don'ts can be a helpful reminder of biology laboratory safety issues





Dr. G. S. Narayana
Principal
Koduram Dalit Government College
Nawagarh
Department of Botany
Fertilisation
Water Absorption

Watch-glass
Petri-dish
Cover-slip
Microscope
Stain
Reagent bottle
Test-tube
Bottle

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BOTANY LABORATORY DOS AND DON'TS

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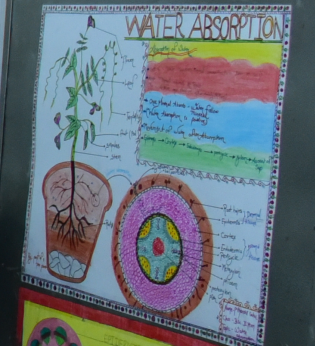
DO:

- Become familiar with experiments before coming to the laboratory.
- Follow all laboratory instructions carefully.
- Know the emergency and fire procedures.
- Ask for clarification on any laboratory procedures that are not understood.
- Wear provided aprons or laboratory coats.
- Assume all chemicals are toxic and act accordingly.
- Read the labels on reagent containers for safety precautions and understand the chemicals being used. Have Material Safety Data Sheets available for all chemicals.
- Keep your work area neat, clean, organized, and clear of clutter.
- Know the location of emergency equipment (first aid kit, eyewash, fire extinguisher, fire blanket, spill containers, emergency exits, and nearest telephone).
- Use extra caution when working with scalpels, knives, glass tubing, and other sharp objects.
- Ask for help when cleaning up broken glass or other sharp objects.
- Discard used scalpels, blades, and other sharp objects in the designated container.

DO NOT:

- Begin an experiment until you have read and understood the instructions.
- Do anything that is not instructed to do so.
- Remove any equipment unless instructed to do so.
- Touch your face or mouth.
- Leave a Bunsen burner unattended.
- Taste or ingest any material.
- Handle any material in a way that is not instructed to do so.

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 - Ask for clarification on any laboratory procedures that are not understood.
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 - Assume all chemicals are toxic and act accordingly.
 - Read the labels on reagent containers for safety precautions and understand the chemicals being used. Have Material Safety Data Sheets available for all chemicals.
 - Keep your work area neat, clean, organized, and clear of clutter.
 - Know the location of emergency equipment (first aid kit, eyewash, fire extinguisher, fire blanket, spill containers, emergency exits, and nearest telephone).
 - Use extra caution when working with scalpels, knives, glass tubing, and other sharp objects.
 - Ask for help in cleaning up broken glass or chemicals.
 - Dispose of sharp objects, scalpels, blades, and other sharp items properly.
- DO NOT:**
- Begin experiments until instructed to do so.
 - Do not eat or drink in the laboratory.
 - Remove anything from the laboratory unless instructed to do so.
 - Leave your seat or work area unattended.
 - Taste or smell any substance.
 - Handle any material.
 - Put anything in your mouth.
 - Put anything in your eyes.
 - Put anything in your nose.
 - Put anything in your ears.
 - Put anything in your hair.
 - Put anything in your clothing.
 - Put anything in your shoes.
 - Put anything in your pockets.
 - Put anything in your bag.
 - Put anything in your car.
 - Put anything in your home.
 - Put anything in your office.
 - Put anything in your school.
 - Put anything in your community.
 - Put anything in your country.
 - Put anything in your world.

