

Rural Institute of Higher Studies, Bhograi

Session 2018-19

Presentation of Best Practices

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| 1. Title of the practice | “Collection of Mollusc Shells for the College Marine Museum” |
| 2. Duration | Session- 2018-2019 |
| 3. Objectives of the Practice | <ul style="list-style-type: none">• Molluscshells for the Conchology idea• Overview knowledge about the shells and their uses.• Beautification of the shells by using artificial technique.• Overall idea about the malacology with reference to the students. |
| 4. The Context | The collection of the shell is a completely field approach hence it needed a lots of efforts. Secondly the tidal interference affects the coastal area, the mollusc shell got underneath the sands it needed more man power to do that. |
| 5. The Practice | <p>This is a special way of practicing the malacology and sharing the idea of molluscs present in the different part of globe, which help to expand the knowledge about the shells and the gross outcome is good for the students.</p> <p>There are certain problems came during the setup of the collection, but we overcame that situation and collected different samples of mollusc shells from Bay of Bengal.</p> <p>During that period the students got the different idea about the coiling pattern of the shells; like dextral, sinistral, Fibonacci</p> |

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| | <p>shell etc. Finally they also got the knowledge about the industrial uses of the shells.</p> |
| 6. Evidences Of Success | <p>After installing the museum the students are getting the better knowledge about the molluscs. Some of the ex-students taken a dig into the industry of the shell collection and making them ornamental and show piece for home decor.</p> |
| 7. Problems Encountered and Resources Required | <p>When it comes to the technique the most difficult part is to collect the micro mollusc it needs the perfect equipment. Due to the hermit crab the shell got dipped into the sand during collection as they live inside them as a commensal. As this region vulnerable to cyclones, that affected the collection and collective methods.</p> |
| 8. Notes. | <p>Nil.</p> |

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| 1. Title of the Practice | “Phenyl Making by the Students” |
| 2. Duration | Session 2018-2019 |
| 3. Objectives of the Practice | <ul style="list-style-type: none"> • Make the students self-reliant when it comes to the sanitation issue. • After college the student can set up its own factory for phenyl. • A quality checker of better phenyl in the business of the sanitation product. |
| 4. The Context | <p>The phenyl is a disinfectant commonly used in different places like household, hotels, restaurants, etc.</p> <p>When it comes to its cost effective production it needs a lot of chemicals and raw material and it is a challenge because the college is interior from the district headquarter.</p> <p>As the raw materials used in phenyl having bad effects on health it needs to take perfect remedies and we took it during that period of time that was one of the challenge we faced.</p> |
| 5. The Practice | <p>As this is a new process for the students they gave their time to learn about this process and skilled about making phenyl. That helped the students to know about the new chemicals and their compositions. Hence they can take a leap on to the research area of sanitation materials which is a good area to make self-sufficient and independent, especially the girls.</p> <p>This is a cost effective business which can be start up by a graduate student from any corner of the globe.</p> <p>The most difficult part of this process is to make available the chemicals required to manufacture the phenyl. Sometimes all chemicals may availed but manpower required for the synthesis of phenyl.</p> |

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| <p>6. Evidence of Success</p> | <p>After taking degree of intermediate and graduation some of the students are in the industry of making the phenyl in different part of state and country. They engaged in the industry as a quality checker or chemist in different industrial companies which makes the phenyl.</p> |
| <p>7. Problems Encountered and Resources Required</p> | <p>It requires much more skilled chemist to make the phenyl more effective in the field of sanitation. The setup of the lab is much more difficult during the starting day. As the neighbouring area having much more advanced options and having extra ordinary technique we are adapting them for the better approach.</p> |
| <p>8. Notes</p> | <p>More involvement of students will bring the function much more effective.</p> |