

DEPARTMENT OF CHEMISTRY

Date: 15th March 2022

Assignment for CY104S1

1-year students must submit their assignment for the subject –Applied Chemistry (CY 104 S1). The deadline for submissions is **March 21, 2022, at 5 p.m.**

Below are the assignment questions (Answer all questions):

Total Marks = 10

1. A mechanic was working on a machine that had an exposed copper plate that required tightening with a bolt. He has the choice of using a copper or steel bolt. Which of the following do you believe is the best choice for him, and why? Explain **Marks = 3**
2. Ship design and maintenance are critical to preventing corrosion. Can you propose certain designs and ways to prevent corrosion of a ship? Which one do you believe would be the best solution to protect the ship? **Marks = 4**
3. To make your clothes vibrant, we use a variety of dyes. However, textile dyeing is one of the most damaging components of the global fashion business, having a devastating impact on the environment and harming human health. It contaminates our water with toxic dye. Can you suggest some solutions for these pollution problems?

Marks = 3

NOTE:

- Assignment must be submitted in the form of hand-written scanned .pdf document with student name, admission number and class roll no.
- **Assignment will not be accepted after the deadline. No excuses will be accepted.**

Faculty Name: Dr. Subrata Dutta