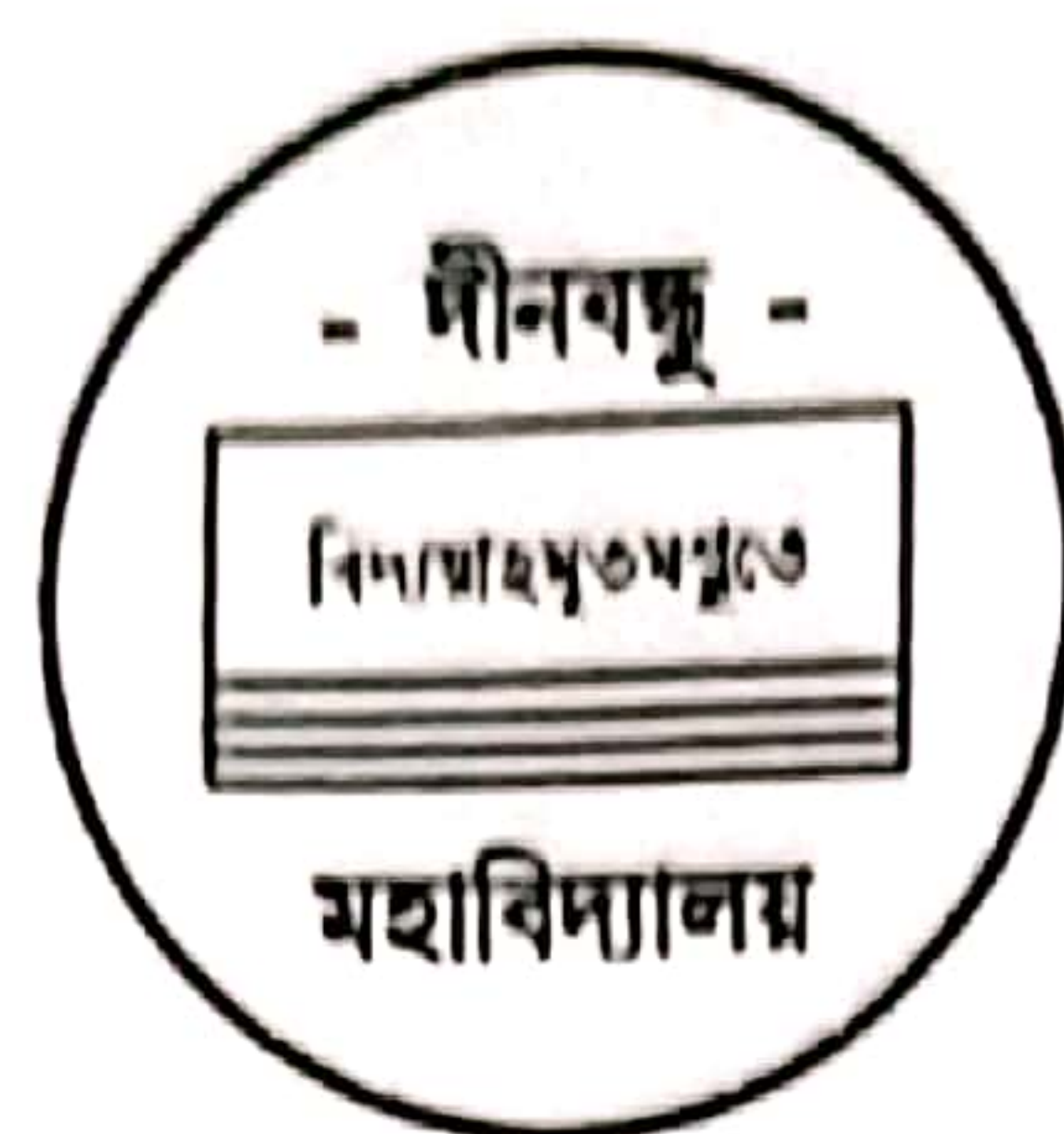


DINABANDHU MAHAVIDYALAYA



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Affiliated to West Bengal State University & Formerly under University of Calcutta
Registered under 2(f) & 12(B) of U.G.C. Act 1956
ESTD: 1947

Add On Course
On
“COMPARATIVE STUDY OF COMMERCIAL ANTACIDS”
Chemistry Department
Session: 2022-2023

➤ **Course Objectives:**

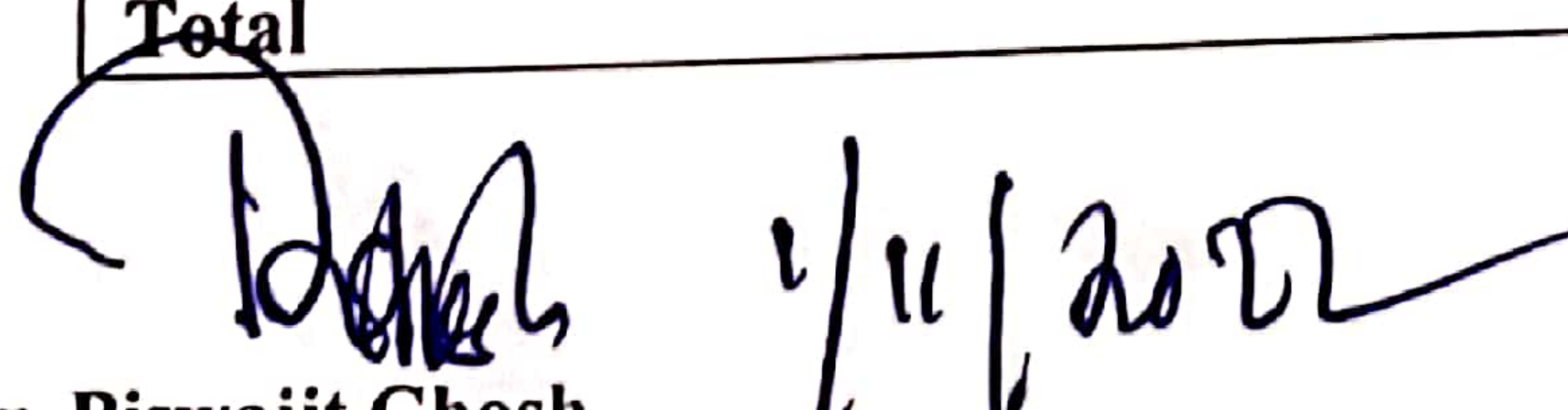
1. Provide a comprehensive understanding regarding their mechanism of action of antacids.
2. Familiarize students with scientific facts about medicines and gain an in-depth knowledge about which antacid to look for in the stores.
3. Different manufacturers market their products regardless of their effectiveness and efficiency. Experimental research is the most rational way to give support to these data. The result of the analysis could be used to inform oneself as to which antacid is the best in providing relief.

➤ **Course Outcomes:**

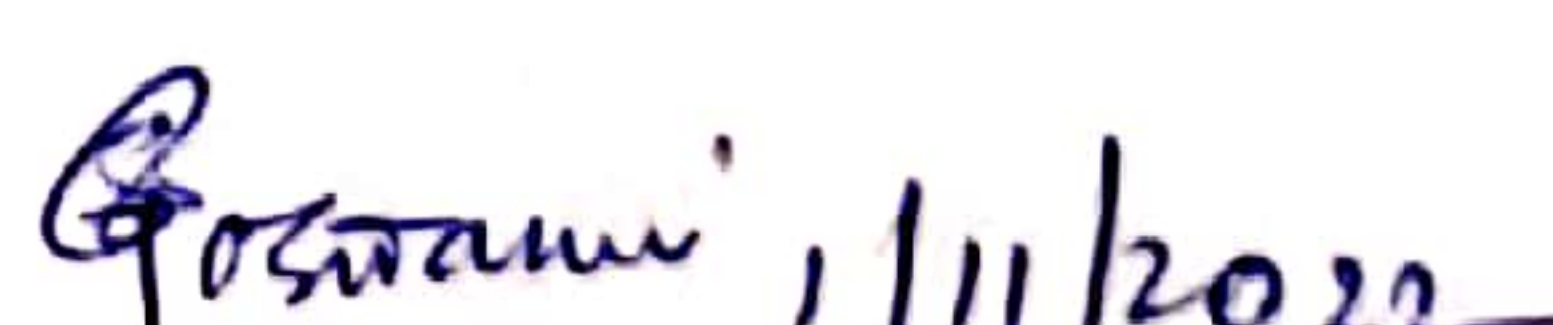
1. Mechanism of action of the antacids under study namely Gelucil, Digene, ENO, Zantac 150, Pantoprazole and Gas-o-Fast are found to be fall under four separate classes of actions; where Gelucil and Digene, Zantac 150 and Pantoprazole are grouped together/paired together. Gas-o-Fast and ENO are other two separate entities.
2. There is no specific antacid found to act most superior over others. All the types are assessed to perform at their best at different acidic circumstances. Therefore, the study exhibits the need of prior and accurate identification of stomach and intestinal disordered environment before application of specific antacid class.
3. Present study reveals the need of advice of Medical Practitioner for proper selection of antacid class, as all the classes are found to be associated with adverse secondary health influential effect if exposed to improper situation.

➤ **Course Curriculum:**

Topic	No. of Classes	Hours
1. Overview of the Topic	1	2
2. Classification of Antacids and Mechanism of Action	1	2
3. Preparation of Solutions	2	4
4. Analysis of Gelusil and Required Calculation	2	4
5. Analysis of Digene and required Calculation	2	4
6. Analysis of ENO and Required Calculation	2	4
7. Analysis of Zantac 150 and required Calculation	2	4
8. Analysis of Pantaprazole and required Calculation	2	4
9. Analysis of Gas-o-fast	2	4
10. Final Calculation	2	4
11. Preparation of Project Report	2	4
Total	20	40 Hrs


Dr. Biswajit Ghosh
Principal
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