Practical: MDC-PH (PRA) – 303 (2 Credits)

Sr. No.	Title
1.	Find the real roots of the given equation using bisection method.
2.	Find the real roots of the given equation using method of false position.
3.	Find the real roots of the given equation using iteration method.
4.	Find the real roots of the given equation using Newton-Raphson method.
5.	Find the real roots of the given equation using Ramanujan's method.
6.	Make a forward difference table for the given set of data.
7.	Make a backward difference table for the given set of data.
8.	Newton's forward interpolation formula.
9.	Newton's backward interpolation formula.
10.	Newton's general interpolation formula.

Note:

1. The duration of each experiment is of 2 hours.
2. There should not be more than 10 students per batch as per NEP 2020 guidelines.
3. In the external exam, a student will have to perform two experiments. The experiment will be of 2-hour duration.
4. There should be two examiners per batch in the external examination.
5. There should not be more than 10 students per examiner per session in the external examination.