

# AN INTRODUCTION TO RIEMANNIAN GEOMETRY (MTH 613)

DR. SANJAY KUMAR SINGH

## ASSIGNMENT-1

SUBMISSION DATE: 28-08-2023

**Problem 1.** Solve problem 4,5,6 from Page-32, Chapter 1.

**Problem 2.** Solve problem 1,2,3 from Page-46, Chapter 1.

**Problem 3.** Solve problem 1,2,3, 4, 6 from Page-56-58, Chapter 2.

**Text Book:** Manfredo P. do Carmo, Francis Flaherty, Riemannian Geometry: Theory & Applications (Mathematics: Theory & Applications), Birkhäuser 1992.