

**DIFFERENTIAL GEOMETRY OF CURVES AND SURFACES**  
**(MTH 406)**  
**ASSIGMENT-3**

SUBMISSION DATE: 28-01-2020

**Problem-A.** Submit an answer of all problems.

- (1) Show that, a unit speed reparametrisation of of a regular cloed curve is always closed.
- (2) Solve excercise 1.4.1,1.4.2, from Chapter 1.
- (3) Solve excercise 3.3.2 from Chapter 3.
- (4) Solve excercise 3.3.2 from Chapter 3.
- (5) Solve excercise 4.2.1 from Chapter 4.

**Problem:B.** You don't need to submit it.

- (1) Solve excercise 1.4.3, 1.4.6 from Chapter 1.
- (2) Solve excercise 4.1.1, 4.1.5 from Chapter 4.

**Text Book:** Elementry Differential Geometry, Andrew Pressley 2nd edition