

DIFFERENTIAL GEOMETRY OF CURVES AND SURFACES
(MTH 406)
ASSIGNMENT-6

SUBMISSION DATE: 04-03-2020

Problem-A. Submit an answer of all problems.

- (1) Show that the Weingarten map is self adjoint.
- (2) Solve exercise 7.2.1, 7.3.1, 7.3.2, 7.3.4 from Chapter 7.
- (3) Solve exercise 8.1.1, 8.1.3, 8.1.5, 8.1.8, 8.2.7 from Chapter 8.

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

- (1) Solve exercise 7.3.3 from Chapter 7.
- (2) Solve exercise 8.1.6, 8.2.1 from Chapter 8.

Text Book: Elementary Differential Geometry, Andrew Pressley 2nd edition