

Study Material

Dept. of Applied Mathematics
With Oceanology and Computer Progr.

Paper No. - MTM 405 Unit-I

Paper Name - Dynamical Meteorology

Semester - 4

Topic of lecturer: Surface of discontinuity

Teacher - Prof. Shyamal Kr. Mondal

Lecture No. - 04.

God bless you all.

Please prepare the materials which were given. Then do answers of the following questions.

- Q1. What is frontal surface and front?
- Q2. Derive the angle between the frontal surface and earth's surface.
- Q3. Derive the pressure tendency below a frontal surface.
- Q4. Why in a geostrophic wind field, front is stationary?
- Q5. What do you mean by frontogenesis and frontolysis?
- Q6. Derive the condition under which frontogenesis and frontolysis are occurred.