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FEDERAL UNIVERSITY OF TECHNOLOGY
DEPARTMENT OF GEOGRAPHY
2ND SEMESTER EXAMINATIONS 2010/2011

COURSE: MET 326: Atmospheric Boundary Layer

INSTRUCTION: Answer any four (4) questions of your choice

1. Give a working definition of Atmospheric Boundary Layer and with the aid of well-labeled diagram, describe the structure of the Atmospheric/boundary layer.
2. Give a descriptive explanation of cloud types and the processes involved in their formation within the Troposphere.
3. Analyze the pattern of convection, circulation and deflection of air within the Tropics.
4. Write explanatory notes on the following:
 - (a) Differences between cold and warm fronts
 - (b) Convectonal Rainfall
 - (c) The Jet streams
5. With the aid of a sketch diagram, describe the structure of the Atmosphere and give a detailed explanation of the Troposphere.
6. With the aid of a good diagram, account for the distribution of Atmospheric pressure over the earth's surface.