Assignment 7

Due on 2020-09-10, 23:59 IST.

1. The ceiling of the air mass surface due to long wave emission causes the formation of
   - advection fog
   - radiation fog
   - valley fog
   - coldfront fog
   No, the answer is incorrect.

   Accepted Answer:
   radiation fog

2. ________ clouds do not cause precipitation.
   - Stratus
   - Cirrostratus
   - Stratocumulus
   - Altocumulus
   No, the answer is incorrect.

   Accepted Answer:
   Cirrostratus

3. Calculate the saturation corresponding to relative humidity of 100.6 %.
   - 0.6 %
   - 9 %
   - 2 %
   - 0.2 %
   No, the answer is incorrect.

   Accepted Answer:
   2 %

4. The chart is misleading frequency to the frequency of
   - sound moves in the atmosphere
   - due atmospheric conditions
   - unstable atmospheric conditions
   - Stable atmospheric conditions
   No, the answer is incorrect.

   Accepted Answer:
   unstable atmospheric conditions

5. Nucleation clouds are found in the atmosphere at an altitude of ________.
   - 1 km
   - 3 km
   - 50 m
   - 80 m
   No, the answer is incorrect.

   Accepted Answer:
   1 km

6. ________ balances the force due to the gravitational pull in hydrostatic equilibrium.
   - Coriolis force
   - Vertical pressure gradient force
   - Pressure force
   - Frictional force
   No, the answer is incorrect.

   Accepted Answer:
   Vertical pressure gradient force

7. In a neutral atmosphere, the environmental lapse rate is
   - less than SALR
   - Greater than SALR
   - Equal to SALR
   - Zero
   No, the answer is incorrect.

   Accepted Answer:
   Equal to SALR

8. For sound, the vertical temperature profile is
   - Negative throughout altitude
   - negative in higher altitude and positive in lower altitudes
   - positive throughout altitude
   - negative throughout altitude
   No, the answer is incorrect.

   Accepted Answer:
   Negative throughout altitude

9. The size diameter of the drizzle is
   - greater than 0.6 mm
   - less than 0.6 mm
   - less than 0.01 mm
   - equal to 0.6 mm
   No, the answer is incorrect.

   Accepted Answer:
   Less than 0.01 mm

10. The atmosphere is said to be conditionally stable if
    
    - SALR = Environmental lapse rate, SALR = dry adiabatic lapse rate
    
    No, the answer is incorrect.

    Accepted Answer:
    SALR = Environmental lapse rate, SALR = dry adiabatic lapse rate