

Unit 3 - Week 2

Course outline

How does an NPTEL online course work?

Week 1

Week 2

Structure of Earth's Atmosphere

Vertical Structure of Atmosphere

Characterization of Atmosphere Based on Electrical Properties

Coupling of Solar Radiation with the Earth's Atmosphere

Forces and Their Classifications

Quiz : Assignment 2

Assignment 2 solution

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

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Assignment 2

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-02-12, 23:59 IST.

1) The electron density in the ionosphere (F region) is of the order of

1 point

- 10^{13}
 10^{12}
 10^{11}
 10^{10}

No, the answer is incorrect.
Score: 0

Accepted Answers:
 10^{12}

2) Most of the weather occurs in the

1 point

- Troposphere only
 Troposphere and Stratosphere
 Stratosphere only
 Stratosphere and Mesosphere

No, the answer is incorrect.
Score: 0

Accepted Answers:
Troposphere only

3) Aerosols are

1 point

- pollutants
 suspension of liquid in air
 suspension of liquid and solid particles in air
 suspension of solid particles in air

No, the answer is incorrect.
Score: 0

Accepted Answers:
suspension of liquid and solid particles in air

4) At what percentage, the Sun radiates in the visible range ?

1 point

- 7 %
 11 %
 37 %
 43 %

No, the answer is incorrect.
Score: 0

Accepted Answers:
43 %

5) The value of the Earth's albedo is

1 point

- 0.37
 0.43
 0.33
 0.50

No, the answer is incorrect.
Score: 0

Accepted Answers:
0.37

6) The temperature in the atmosphere varies

1 point

- linearly
 quadratically
 exponentially
 in zigzag manner

No, the answer is incorrect.
Score: 0

Accepted Answers:
in zigzag manner

7) The viscous force is

1 point

- apparent force
 non-inertial force
 real force
 central force

No, the answer is incorrect.
Score: 0

Accepted Answers:
real force

8) The coldest layer in the atmosphere is

1 point

- Mesosphere
 Mesopause
 Stratosphere
 Stratopause

No, the answer is incorrect.
Score: 0

Accepted Answers:
Mesopause

9) The atmospheric window(s) for solar radiation lie in the range

1 point

- X-rays
 Ultraviolet
 Visible
 Far Infrared

No, the answer is incorrect.
Score: 0

Accepted Answers:
Visible
Far Infrared

10) In which of the following scales, the Rossby waves lie

1 point

- microscale
 synoptic scale
 mesoscale
 planetary scale

No, the answer is incorrect.
Score: 0

Accepted Answers:
planetary scale