



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Worksheet 19 Solutions

Sub: Geography

Class:10

Date: 28-4-2020

Chapter 2: Topic: Atmosphere Insolation Part 5 Second Term

1. Choose the correct answer
 - a. Insolation will be highest if the angle of the sun is at i. 45 ii. 60 iii. 70 iv. 90 degree.
 - b. The albedo of the earth is i. 34 ii. 50 iii. 45 iv. 60%
 - c. Sun's rays take around i. 8.1 ii. 9.1 iii. 10.2 iv. 8.3 minutes/sqcm/minute
 - d. Terrestrial radiation is around i. 35% ii. 50% iii. 45% iv. 66%
 - e. Surface temperature of the Sun is around i. 3000 ii. 4000 iii. 5000 iv. 6000 degree
 - f. The amount of solar rays reflected from the cloud is around i. 20 ii. 15 iii. 25 iv. 35%
 - g. The amount of insolation absorbed by the Earth is i. 40 ii. 41 iii. 47 iv. 50%.
 - h. The incoming solar radiation absorbed by the atmosphere is i. 15 ii. 25 iii. 19 iv. 10%
 - i. Radiant energy from the Sun that strikes the Earth is called Insolation - was said by i. Zimmerman ii. Critchfield iii. Schonby iv. P. Dayal
 - j. Water vapour exists in atmosphere upto an altitude of i. 10 ii. 11 iii. 12 iv. 15 km
 - k. About 99% of the atmosphere consists of i. Oxygen + CO₂ ii. Nitrogen + CO₂ iii. Oxygen + Nitrogen iv. None of the Above
 - l. Among the following which one is not a trace gas i. krypton ii. helium iii. xenon iv. methane
 - m. Solar Constant is i. 1.24 ii. 1.94 iii. 1.54 iv. 1.74 calories of heat/sq cm/minute
 - n. Speed of sunlight is i. 297000 ii. 295000 iii. 250000 iv. 260000 km/sec
 - o. Amount of solar radiation that reaches Earth is i. 1/200,000,000 ii. 1/20,000,000 iii. 1/2000,000 iv. 1/200,000

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