



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Worksheet 41 Solution

Sub: Geography

Class:12

Date:09.07-2020

Chapter 7: Topic: Tri Cellular Model, Rossby Wave. Pre-test

1. Choose the correct answer

- a. The Tri Cellular Model of Atmospheric Circulation have been introduced by i)George Hadley ii)William Ferrel iii)Polman iv) Rossby.
- b. The area from 0° to 30° north and south has been named after which of the following scientists i)George Hadley ii)William Ferrel iii)Polman iv) Rossby.
- c. The area from 30° to 60° has been named after which of the following scientists? i)George Hadley ii)William Ferrel iii)Polman iv) Rossby.
- d. In which of the following year Tri Cellular Model has been introduced i)1856 ii)1735 iii)1951 iv)1939.
- e. In which of the following years George Hadley introduced his theory i)1856 ii)1735 iii)1951 iv)1939.
- f. C.G.Rossby found out about this high altitude wind circulation in which of the following year ? i)1856 ii)1735 iii)1951 iv)1939.
- g. In which of the following years Ferrel cell was introduced i)1856 ii)1735 iii)1951 iv)1939.
- h. Roaring Forties, Furious Fifties are found in which of the following Cells i)Hadley Cell ii)Ferrel cell iii) Polar Cell iv) Rossby wave.
- i. In Hadley Cell wind mainly moves from i)NE to Sw ii) SE to NW iii) NW to SE iv)Both i)and ii).
- j. In Polar Cell wind mainly blows from i)NE to Sw ii) SE to NW iii) NW to SE iv)Both i)and ii).
- k. Rossby Wave is found at an altitude of i)3km to 5km ii) 5km to 8km iii) 8km to 10km iv) 15km.
- l. Most of the hot deserts of the world are found to be located in which of the following Cells? i)Hadley Cell ii)Ferrel cell iii) Polar Cell iv) Rossby wave.
- m. How many Rossby Waves have been identified in northern hemisphere i)2 ii)3 iii)5 iv)6.
- n. Average length of a wave between two crests of a Rossby Wave can be i)2000km to 3000km ii)3000km to 4000km iii)4000km to 5000km iv)5000km to 6000km.
- o. Along the Horse latitude characteristic of wind is i) Descending wind ii) Dry and Warm wind iii)Ascending wind iv) Both i)and ii).

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