



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Worksheet30 Solutions

Sub:Geography

Class:11

Date: 10-8-2020

Unit 3: Earthquake Waves: Distribution of Earthquake ZonesFirst Term

1. Choose the correct answer

- a. i. L Q waves ii. P waves iii. Raleigh waves iv. S waves reaches the Earth's surface
- b. i. L Q waves ii. P waves iii. Raleigh waves iv. S waves can travel through solid, liquid and gaseous medium
- c. i. L Q waves ii. P waves iii. Raleigh waves iv. S waves is of medium speed
- d. i. L Q waves ii. P waves iii. Raleigh waves iv. S waves is known as love wave
- e. i. L Q waves ii. P waves iii. Raleigh waves iv. S waves moves vertically
- f. i. L Q waves ii. P waves iii. Raleigh waves iv. S waves is of shortest length
- g. i. L Q waves ii. P waves iii. Raleigh waves iv. S waves creates shadow zone as it fails to travel through core
- h. i. Kenya ii. Brazil iii. Indonesia iv. Japan experiences least number of earthquakes
- i. i. Kenya ii. Brazil iii. Indonesia iv. Japan is known as the Land of Earthquakes
- j. i. Mid Atlantic Ridge ii. Mid Continental region iii. Rift Valley and San Andreas Fault zone iv. Pacific Ring of Fire experiences highest percentage of earthquake tremors
- k. About 21% earthquakes occur in i. Mid Atlantic Ridge ii. Mid Continental region iii. Rift Valley and San Andreas Fault zone iv. Pacific Ring of Fire
- l. Convergence of Eurasian plate with African Plate occurs in i. Mid Atlantic Ridge ii. Mid Continental region iii. Rift Valley and San Andreas Fault zone iv. Pacific Ring of Fire
- m. Shadow zones form about i. 100-120° ii. 105-145° iii. 90-125° iv. 120-140° from the epicenter
- n. Speed of primary wave is around i. 5-14km/sec ii. 3.5-7.2km/sec iii. 3-5km/sec iv. 10-15km/sec
- o. India has been divided into i. 3 ii. 4 iii. 5 iv. 6 earthquake prone zones

Susmita Banerjee