

Q1. For a series of earthquakes, the following information is given:

| Δ km | A(micr.) | M |
|-------------|----------|---|
| 370 | 0.65 | |
| 833 | 1.42 | |
| 1000 | 1.55 | |

Km: epicenter

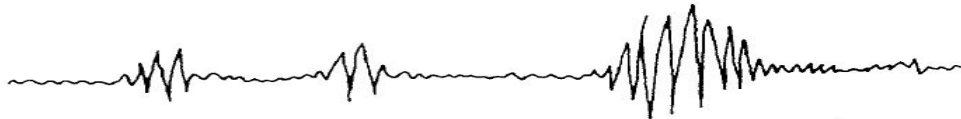
A: amplitude

Calculate magnitudes of these earthquakes.

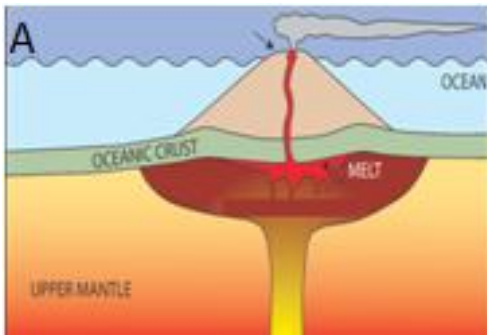
Q2:- 1. The diagram below shows a seismic record for a single earthquake.

(i) On the seismic record, accurately label the L, P and S wave arrivals.

(ii) Which of the three types of seismic waves follow a path around the surface of the Earth?



2. Figures below represent:



Q3. 1. Volcanoes is one of natural hazards, how can predict before eruption?

2. Short term of earthquake prediction

3. Main volcanic hazards?

4. Mitigation of global warming change?

Q4. Briefly (define, list, and describe) of the followings

1. Possible consequences of global warming change effect?

2. Type of earthquakes?

3. List structure of atmosphere

3. Define Focus and epicenter of an earthquake

Q5. An automobile is driven 10000 miles per year get 25 miles per gallon, how many gallons of gasoline does the car use per year?