

Registration No.

VISIONIAS

Assignment Code

Classroom Assignment Sheet

62452

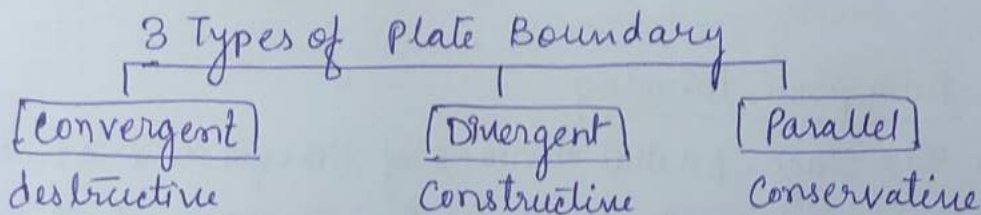
Name:

Subject: Geography Batch: RB-20 Submission Date: 29-06-23 Marks:

Please mention Reg. No. and Assignment code of respective class. Use single assignment sheet (i.e. 2 pages) for 1 question. Limit your answers to 150 - 170 words.

Q. What are the different types of plate boundaries? Explain the divergent plate boundary movements. (150 words)

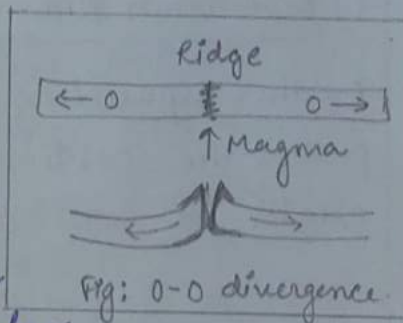
'Plates' defined as rigid lithospheric slabs and 'Plate boundaries' are the zones of movement of these plates with different speed and direction.



Divergent plate boundary movements

① Ocean - Ocean divergence

- Plate margins split, separate and move in opposite direction.
- Hot magma comes out through the crack and gradually develops into Mid-oceanic ridges.



- Slow & continuous volcanic eruptions observed
- Shallow earthquakes (upto 70 km) observed here.

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② Continent-Continent Divergence

3 stages

i) Intra Continental Rifting

Upwelling of magma cracks the continental slab, creates fault and series of faults called Rift valley formed.

Ex. East African rift valley.

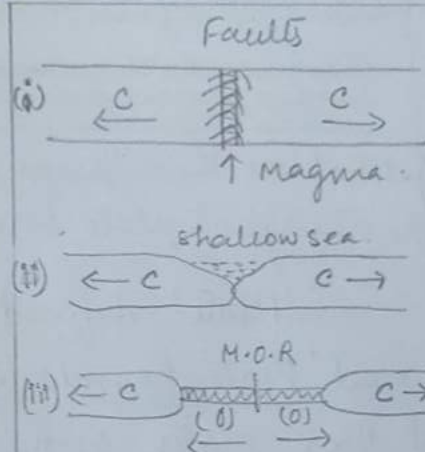


Fig: 3 stages of c-c divergence

ii) Inter plate thinning

In this stage, partial thinning of lithosphere & gradual thinning of crust leads to the development of a shallow sea. Ex. Red Sea.

iii) Mid ocean Ridges (M.O.R.) form.

Further upwelling of magma from the faults pushes the continental slab in opposite direction, creates ~~the~~ new oceanic crust. eg Mid Atlantic Ridge.

these divergent plate movements are constructive in nature, creates new oceanic crust along the margins and the volcanic activity are not much violent.