

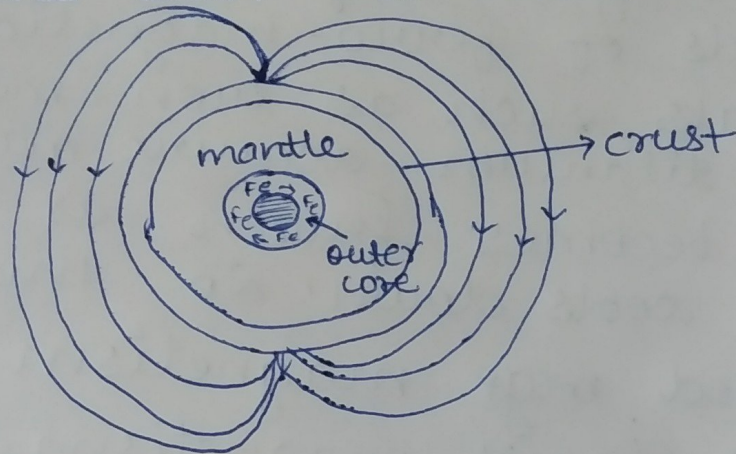
Name:

Subject: Geography Batch: RB-1D 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.

What do you understand by Geomagnetism? What causes this phenomenon?

Geomagnetism is a magnetic field associated with the earth.



Causes of Generation :-

- The rotation of earth causes the motion of charged particles in outer core.
- Heat rising from earth's interior i.e. inner core results in the generation of convection current of molten material in the outer core.

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- Motion of charged particles in this molten material produces electric current through the earth's core.
- This electric current results in magnetic field around the earth through electromagnetism.
- When magma crystallises, the crystals of ferro-magnetic minerals such as Iron, magnesium, titanium acquire magnetism which becomes frozen as the magma cools down. So this acquired magr magnetism is called fossil-magnetism.

Geomagnetism protects our planet from cosmic radiation and from the charged particles emitted by Sun. It also provides the basis for navigation with a compass.

