MPPSC

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Q⇒ write short notes in 20 words each.

(a) Asthenosphere

The upper part of the Mantle is known as Asthenosphere. It is the viscous fluid like layer upon which Plates move.

(b) Continental Drift Theory

The Continental Drift Theory was proposed by Alfred Wegener in the year 1962. It tells about the formation of continents from a super continent Pangea surrounded by Super ocean Panthalasa. It also tells about the movement of continents.

(c) Sidereal Day.

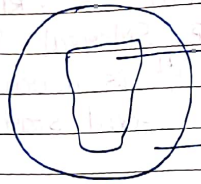
The Actual Time Taken by the earth to complete one rotation is known as Sidereal Day. A ~~The~~ Sidereal Day is of 23 hrs 56 min. It is always calculated with respect to a fixed star.

Q2. "Discuss the continental Drift Theory proposed by Alfred wegener. How did the later development of Plate Tectonic Theory provide a more Comprehensive explanation for the movement of continents and the formation of major landforms?"

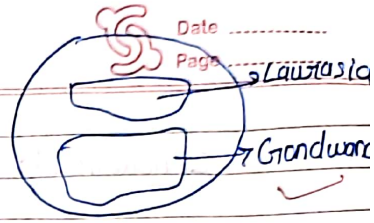
Continental Drift Theory Proposed by Alfred wegner in the year 1962. gave the concept of formation of continents from a Super continent Pangea due to Tectonic Pressure ~~by or convection~~ from the core.

Continental Drift Theory :-

* According to Alfred wegner around 326 yrs ago there was a Super continent Pangea surrounded by Super ocean Panthalasa.



* Due to convectional currents or tectonic Pressure from the core, Pangea divided into two Parts, the Northern Part was known as Lauriasia and the Southern part was Gondwana



* These Landmasses further got broke down into pieces and later the earth got into the present shape having 7 continents and 5 oceans

Developments by Plate Tectonics Theory & Formation of Landforms :-

The continental Drift Theory proposed the idea of movement of continents, whereas Plate Tectonics Theory gave the concept of Movement of Plates by convectional currents from the core.

Due to Movement of Plates (convergence, Divergence and Transform Boundary Movements) several major Landforms are formed. Like

Transform Boundary Movement	Divergent Movement	convergent Movement
Earthquakes	1. Rift valley 2. Mid oceanic Ridges	1. Volcanoes 2. Fold Mountains 3. Sea beds.

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Conclusion :-

The continental Drift theory was the initial or first theory proposed on plate tectonics whereas it continued with the plate tectonics theory.

Excellent