

A horizontal banner with a green background. On the left, there is an illustration of a man with a beard sitting at a desk with a laptop. To the right of the illustration, the text "Gradeup Green Card" is written in a large, bold, white font. Below this, in a smaller white font, is the text "Unlimited Access to All 350+ SSC & Railways Mock Tests".

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- The receiver at the TV end generally consists of a TSOP receiver, which receives the IR signal at 38 KHz.

67. The energy derived from the heat of Earth is called _____.

- A. Biogas
- B. Geothermal Energy
- C. Solar Energy
- D. Tidal Energy

Ans. B

Sol.

- **Biogas**-the Gas prepared from Bio waste such as cow dung, household wastes etc.
- **Geothermal Energy**-the energy derived from heat of Earth.
- **Solar Energy**- Energy derived through direct Sunlight
- **Tidal Energy**-conversion of energy of tides into power.

68. About 70% of the sun is made up of _____.

- A. Helium
- B. Oxygen
- C. Carbon
- D. Hydrogen

Ans. D

Sol.

• **The sun is composed of of the sun is 75 percent hydrogen and 25 percent helium** by mass.

- The temperature of the sun's surface is about 10,340 degrees.
- The source of sun's energy is the nuclear fusion of hydrogen atoms.

69. What is the unit of measure of a magnetic field?

- A. Tesla
- B. Ohm
- C. Cobalt
- D. Ampere

Ans. A

Sol.

• **Tesla is the unit of Magnetic field.**

- One tesla is equal to one weber per square metre.
- Nicola Tesla is best known for his contributions to the design of the modern alternating current (AC) electricity supply system.

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