

Visit examrace.com for free study material, doorsteptutor.com for questions with detailed explanations, and "Examrace" YouTube channel for free videos lectures

Examrace

▶ Examrace 463K

Learning About The Satellites And Their Orbits – Polar Geostationary And Sun-Synchronous YouTube Lecture Handouts

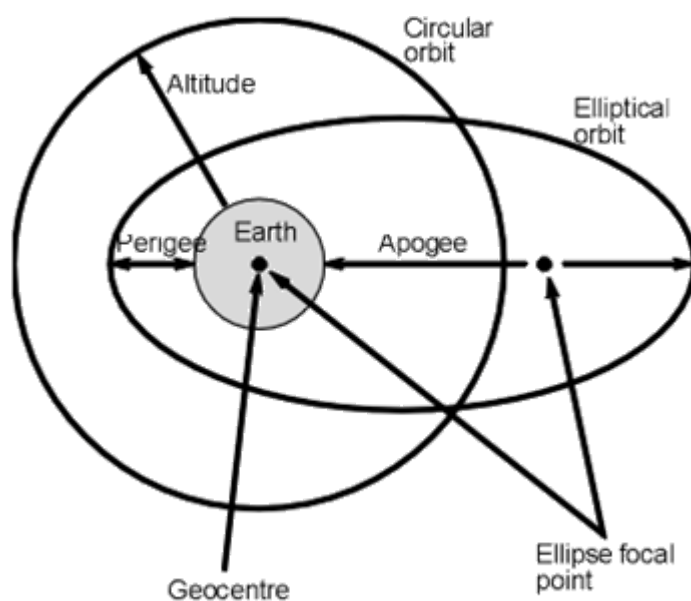
Get video tutorial on: <https://www.youtube.com/c/Examrace>

Watch video lecture on YouTube: Learning about the satellites and their orbits - Polar, Geostationary & Sun-Synchronous Learning About the Satellites and Their Orbits - Polar, Geostationary & Sun-Synchronous

Find this video at: <https://www.youtube.com/video/b4XkJq-qkgQ?rel=0>

The Satellites and Their Orbits

- Satellite is an artificial object which has been intentionally placed into orbit.
- Orbit is a gravitationally curved trajectory of an object around a point in space.
- The orbit that is chosen for a satellite depends upon its application.
- Satellite's orbit works because of a balance between 2 forces.
- Orbit is a combination of the satellite's velocity.



Satellite orbits

Image Shows the Satellite Orbit

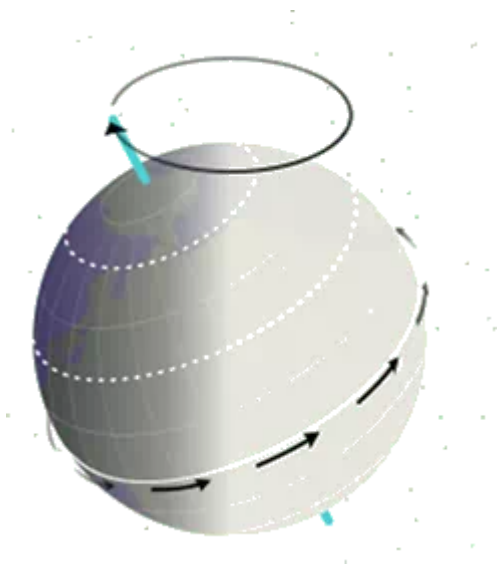


Orbits Image - 1

Precession of Earth:

Precession is caused by the gravitational pull of the Sun and the Moon on the Earth.

- Period of precession is about 26,000 years.
- Caused by the gravitational pull of the Sun and the Moon on the Earth.



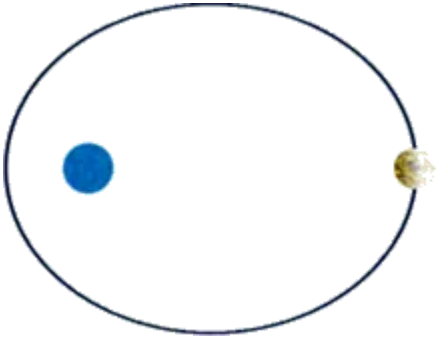
Orbits Image - 2

Precession of Orbit

It is known as axial precession. It is the movement of the rotational axis of an astronomical body, whereby the axis slowly traces out a cone. For Earth, this is also known as the precession of the equinoxes, lunisolar precession, or precession of the equator.

- Nodal precession
- Sun synchronous

Visit examrace.com for free study material, doorsteptutor.com for questions with detailed explanations, and "Examrace" YouTube channel for free videos lectures



Orbits Image - 3

-Manishika