

Bangladesh international school.English Section. Riyadh

Gr- 6 Section- A&D

Subject- Physics

Name of teacher- Ms. Farhana Islam

A handwritten signature in blue ink, possibly 'F. Islam', is written over the date '12/03/20'. The signature is slanted and partially overlaps the date.

Ch - 3.3 (Gravity)

Define.

- a. Gravity- Gravity is the effect of force of attraction between two masses.
- b. Weight- The gravitational force acting on an object is called its weight.
- c. Mass is the total amount of matter in an object. Its unit is kilogram.

Q/A

1. Explain gravity on different planets.

Ans. Planets have different gravities due to their difference in masses. An object of 1 kg mass will experience a weight of 10 N on Earth and 25 N on Jupiter. A person visiting different planets would have the same mass but would weigh different according to the planets gravitational force.

2. What is the effect of altitude on gravity?

Ans. Gravity decreases with increase in altitude. Eg. When an object goes away from the Earth, the influence of gravity decreases.

3. What is the force that keeps satellite around the Earth?

Ans. Gravitational force.

4. Explain geostationary orbit.

Ans. Communication satellites are in an orbit that takes 24 hours to take one revolution around the Earth. They are positioned over the equator in such a way that they are always above the same point on the Earth as the Earth rotates. This is called geostationary orbit.

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