

JEE Main 2024 Daily Practice Problems (DPP) and Questions

JEE Main DPP for Physics 17 October 2023

Ques. If the weight of an object on Earth is 400 N, then the weight of the same object at a depth R/s from the surface would be (R is the radius of the Earth):

1. 100 N
2. 300 N
3. 200 N
4. 250 N

Ques. The height of the antenna is 98 m. The radius of Earth is 6400 km. The area up to which it will transmit the signal is:

1. 3642 km²
2. 3942 km²
3. 11200 km²
4. 22400 km²

Ques. If the velocity of the charged particle has the component both in and perpendicular to the direction of the magnetic field then the path traced by the charged particle will be:

1. Circular
2. Straight Line
3. Cycloid

4. Helical

Ques. Two different lenses are used in the telescope because:

1. Magnification is increased
2. Focal length is increased
3. More light is captured
4. Spherical aberration is captured

Ques. What is the ratio of potential difference across C1 and C2 at steady state for the given circuit?

1. 4:5
2. 2:5
3. 1:4
4. 3:1

Also check | [CBSE Class 12 Physics Daily Practice Questions 17 October 2023](#)

JEE Main DPP for Chemistry 17 October 2023

Ques. Which of the following elements is the most reactive?

1. Ca
2. Mg
3. Sr
4. K

Ques. The extraction of one of the following metals involves the concentration of the ore by leaching.

1. Copper
2. Magnesium
3. Aluminum
4. Potassium

Ques. Syn gas with Cu as catalyst produces:

1. Ethanol
2. Methanal
3. Methane
4. Methanoic acid