

- 14** An astronaut with a mass of 60 kg works on a geostationary satellite that is 3.59×10^7 m from the surface of Earth. The mass and radius of Earth are given as 6.0×10^{24} kg and 6400 km respectively.

What is the gravitational force acting on the astronaut?

- | | |
|-----------------|-----------------|
| A 13.4 N | B 5.86 N |
| C 589 N | D 600 N |