15 A model of a black hole is a point mass of 6×10^{24} kg.

What is the force on a point mass of 1 kg at a distance of 2 cm from this black hole?

A 1×10^{14} N   **B** 2×10^{14} N   **C** 2×10^{16} N   **D** 1×10^{18} N

16 A body performs simple harmonic motion with a period of 0.063 s. The maximum speed of the