MHT CET 2020 (PCB) Shift 1 (Oct 1) Memory-Based Questions

There were 2-3 questions on Circular Motion	There were 3 questions from the Rotational Motion
One question from Newton Law of Motion	One question from Fricton
1st Law of Thermodynamics	A particle is tied at the center, what will be its velocity at a given point, such that it completes a full circle?
A ball is hanging by a thread. What will be the velocity of the ball so that the ball can cover a full circle?	Heat transfer in the system is 2000 J, work done on the system is 1000 J. What will be the internal work done?
A solid sphere is rolling. The mass of the sphere was given and the radius was given. Find the moment of inertia at a given point	A slab is given, and its K is 10 W / mK. Temperature is given at its left-hand side surface 200oC, the temperature of the right-hand surface is 50oC. The thickness of the slab is 2 m and the width is 2.5 m and the length is 1.5 m. Find the rate of heat transfer