

MHT CET 1<sup>st</sup> Oct 2020 Shift 2 Memory-Based Questions (PCB)

There was a question on the Movement of Inertia (Solid Sphere - Mass/ Radius Given)	There was a question on the Parallel Axis Theorem
There was a question on Bohr Model	First Law of Thermodynamics
There was a question on Stephen's Law	The temperature of a black body is given which is between 300 K to 400 K. it is emitting radiation. There is another body whose temperature has been doubled. Area of both the bodies is given. The area of the second body is double the area of the first body. What will be $Q_2:Q_1$ ?
Work done by gas is +ve or -ve	A particle is moving at a speed of 10 m/s in a circular motion. The radius of the paths is $R = 2m$ . The mass of the particle is 2 KG. What is the centripetal force?
A disc is revolving with an initial angular velocity of $\omega_i$ . After some time 't' the disc stops rotating. The mass and radius of the disc were given. What will be the torque?	One question on Friction
Find oxidation of Phosphorous in Phosphoric acid.	-

