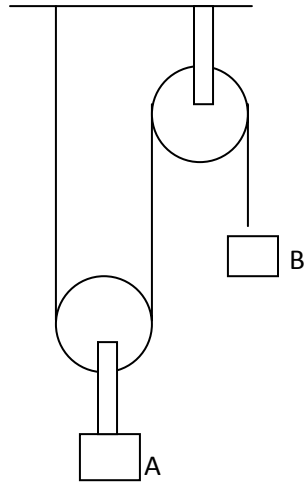


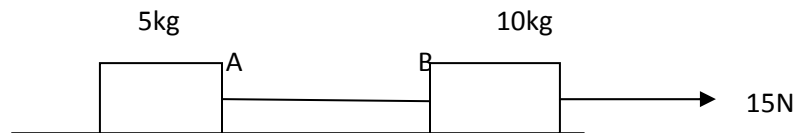
UNIT:IV

Mr. Nurul Hassan

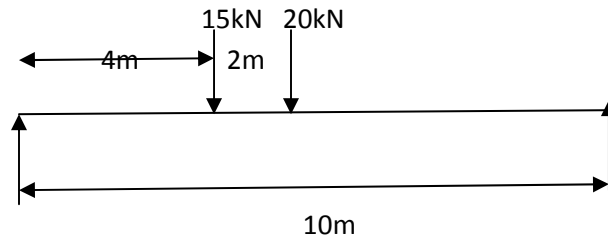
Q.1. Determine the tension in the strings and acceleration of block A and B weighing 150N and 50N connected by a string and frictionless and weightless pulley as shown in Fig below



Q.2. Find acceleration of bodies and tension in the string joining A & B shown in Fig below



Q.3. A beam of span 10m carries two point loads as shown in Fig below. Determine the beam reaction by principle of Virtual work



Q.4. Find acceleration of the weights & tension in the thread using D'Alemberts principle



