Maulana Azad National Institute of Technology
Department of Civil Engineering
Mini Term Exam Jan-2022

Q-1 a)State and Explain parallelogram law of forces?   (2)

   b) What are the the various characteristics of a force? (2)

Q-2 A square ABCD of 60mm side is subjected to force of
     10 N, 20 N, 30 N and 40 N along the sides AB, AC, BD
     and AD respectively. Find magnitude,direction and
     position of the resultant force with respect to A.   (6)