

Q.6 Set. (A)

[5 Marks]

A certain material has a Brinell hardness of 157 BHN. Two Brinell hardness tests were conducted on this material, one using a 10mm dia indenter and 3000kg load and another with a 7 mm dia indenter and 1470 kg load. Calculate the diameter of indentation in both cases and comment on the results.