

Date 05-05-2016

Physics –Test

Time- 40 min

Class 9<sup>th</sup>

M .Marks- 20

ICSE



**Note- In all Questions, 5 marks will be awarded for correct answer and -1 for every wrong attempt.**

1. Explain the terms (i) pitch, and (ii) least count of a screw gauge. How are they determined?
2. The pitch of a screw gauge is 0.5 mm and the head scale is divided in 100 parts. What is the least count of screw gauge?
3. The least count of a vernier calipers is 0.01 cm and its zero error is + 0.02cm. While measuring the length of a rod, the main scale reading is 4.8 cm and sixth division on vernier scale is in line with a marking on the main scale. Calculate the length of the rod.
4. The circular head of a screw gauge is divided in to 50 divisions and the screw moves 1mm a head in two revolutions of the circular head. Find its (a) pitch and (b) least count.