

TEST 1 – MARK SCHEME

- A2.** (a) Angle of refraction measured correctly $\pm 1^\circ$ from centre value. (1)
Refractive index calculated correctly (1) [e.c.f. on measured angle]. NB There is no s.f. penalty here. [2]
- (b) Angles of refraction to within 1° of centre value. (1)
Columns 3-5 correctly filled in with data to 3 s.f. (1 mark per column) [4]
- (c) Mean value calculated correctly and expressed to a precision consistent with the uncertainty. (1)
Absolute uncertainty calculated correctly [i.e. (max – min)/2] and expressed to 1 [accept 2] s.f. (1) [2]
- Total [8]