ANSWERS – VOLUME2: STRESSES, STRAINS, DISPLACEMENTS

Chapter 8, Deformation Due to Flexure

Remarks: See § 8.3, pages 587 till 598 See table 8.4 page 590

Answers:

i) Comparing (a) and (b), the deflection at A is larger in (b) due to the tail-wagging effect.ii) Comparing (c) with (b) and (d), c has the greatest tail-wag contribution to the deflection at ATherefore beam (c) has the largest deflection at the free end A.