## **ANSWERS – VOLUME2: STRESSES, STRAINS, DISPLACEMENTS**

Chapter 8, Deformation Due to Flexure

Remarks: See § 8.3, pages 576 till 586

## Answers:

i) Calculate the midpoint deflection:



 $u_{midpoint} = \frac{3500}{3EI}l^3 \leftarrow$ 

ii) Calculate the deflection at the top:  $u_{top} = 0$ 

Therefore column is deformed as shown in diagram (c)

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