

II B 2011 4DS Numerical answers

- Q1: a) FoS 2 to 3.2
Settlements: 15 mm to 6 mm
b) 32 mm to 47 mm
c) 16 mm undrained
26 mm drained
d) 8.6 mm undrained
27 mm drained
- Q2 a) FoS 7.6 $\phi_{mob}=28$ degrees
b) 10 MPa
c) 11 mm
- Q3 b) 2344 kN
- Q4 a) 26 mm
b) 22 m
c) 11.3 m