- 1 (a) 19.2 kN/m3 (i) 94 kPa (ii) 169 kPa
 - (b) 94 kPa
 - (c) 0.142 m, 0.099 m
 - (d) 5 months
- 3 (a) $\sigma'_{h,max} = 0$, 272 kPa, and 516 kPa approximately at 0, 5 and 10 m respectively $\tau_{max} = 0$, 68 kPa, and 123 kPa approximately at 0, 5 and 10 m respectively
 - (b) $\sigma'_{hcrit} = 0$, 193 kPa, and 385 kPa approximately at 0, 5 and 10 m respectively $\tau_{crit} = 0$, 36 kPa, and 73 kPa approximately at 0, 5 and 10 m respectively
 - (c) 5.7 MN in Mode S
 - (d) 17.1 MN in Mode S, based on cavitation
- 4 (a) 26°, 3.605, 0.047, 0.246
 - (b) 60 kPa, 31 kPa, n = 1 + 5.3/z, $v = \Gamma + \lambda \kappa \lambda \ln(5.8z + 31) + \kappa \ln(1 + 5.3/z)$
 - (c) $c_u \approx 4 + 1.4z$ kPa