

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Products and Materials in Modern Society **Subject Code** : CCN2028

Session : Semester Two, 2016/17

Numerical Answers

Question B1

- (a) 3.68
- (b) 18.6346mm

Question B2

- (a) 100kN
- (b) 14.3108mm

Question B3

- (d) 0.8, 0.2

Question B4

- (b)(i) 29.64GPa
- (b)(ii) 860.3240N, 11639.676N

Question B5

- (c) $T_f = 41.8151^\circ\text{C}$