

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Aircraft Engines

Subject Code : CCN2289

Session : Semester Two, 2017/18

Numerical Answers

Question C1

- (a)(i) 360 kg/s
- (a)(ii) 252.53 m/s
- (a)(iii) 73.97 kN
- (a)(iv) 0.009 kg/kN.s

Question C3

- (a)(ii) 48.21%
- (a)(iii) 579.21 K, 725.13 K
- (a)(iv) 2386 kW
- (a)(v) 41.37%

Question C4

- (a)(ii) 30°
- (b) 700 rpm