

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Project Management for Engineers **Subject Code** : CCN3127

Session : Semester One, 2016/17

Numerical Answers

Question B3

\$357,871

Question B4

7.9%

Question D1

- (b) 18 weeks
- (c) \$15,600

Question D3

- (a) BAC = \$150k; BCWS = \$94k; BCWP = \$83k; ACWP = \$103k
- (b) SV = -\$11k; SVP = -11.7%; CV = -\$20k; CVP = -24.1%
- (c) \$36k
- (d) 1.6 months

Question D4

- (a) \$5.5; 527 (or 528) units
- (b) \$22 per unit
- (c) 56.0 MPa; 66.4 MPa
- (d) \$150; -\$200; \$0