

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Computer Organization

Subject Code : CCN2264

Session : Semester Two, 2017/18

Numerical Answers

Question B1

- (a) 1950ps
- (b) 4320ps
- (c) 720ps
- (d) 1260ps

Question B3

- (a) 07; 0D

Question B4

- (a) 9.29%
- (b) 50.59%

Question B5

- (a) $B95_{16}$
- (b) 6

Question B7

- (a) $449A4400_{16}$
- (b) $-53,477,376_{10}$

Question B9

- (a) 35 ms
- (b) 16027.992 ms

Question C2

- (a)(i) $00100101_2, 11101111_2$
- (a)(ii) $00100101_2, 10010000_2$
- (a)(iii) $00100101_2, 10010001_2$
- (b)(i) 111001

- (b)(ii) 011010
- (b)(iii) 000010
- (c) 3.9

Question C3

- (a) 13
- (b) 5
- (d) 35.7%