

THE HONG KONG POLYTECHNIC UNIVERSITY
HONG KONG COMMUNITY COLLEGE

Subject Title : Computer System Principles

Subject Code : CCN3133

Session : Semester Two, 2015/16

Numerical Answers

Question 1

(c)(iii) 20 bytes

Question 2

(d)(ii) 0

Question 4

- (c)(i) 734
- (c)(ii) 7567
- (c)(iii) 7689
- (d) 3 fragments

Question 6

(c)

Stp	FIFO		SSTF		SCAN		C-SCAN	
	Next	Dist	Next	Dist	Next	Dist	Next	Dist
1	140	40	88	12	88	12	88	12
2	50	90	75	13	75	13	75	13
3	30	20	70	5	70	5	70	5
4	70	40	50	20	50	20	50	20
5	190	120	30	20	30	20	30	20
6	75	115	140	110	140	110	200	170
7	180	105	180	40	180	40	190	10
8	88	92	190	10	190	10	180	10
9	200	112	200	10	200	10	140	40
	Aver age	81.56	Aver age	26.67	Aver age	26.67	Aver age	33.33