day / date:

~~DASD~~
DB 44
2115-3153

(Q1g) 2 in case of combined work, else 4
1 request = product
3 requests: part

(y) (i) update product set prod-qoh = Prod_qoh + 1
where prod_code = "XYZ"

~~2 update partset prod qoh = prod_qoh - 1~~
~~Where prod code = 'X'~~

~~3 update part set part_qoh =~~

2 update part set part_qoh = part_qoh - 1
where part_code = 'X'

3 update part set part_qoh = part_qoh - 1 where
part_code = 'Y'

4 update part set part_qoh = part_qoh - 1 where
part_code = 'Z'

day / date:

(c) Begin Transaction
update product
set prod_soh = prod_soh + 1
where prod_code = 'XYZ'
update part
set part_soh = partsoh - 1
where part_code IN ('X', 'Y', 'Z')
COMMIT

(d) Begin Transaction
Insert into invoice (inv_num, cus_code,
inv_date, inv_total, inv_item,
inv_status)

Insert into inv_line (Inv_num, p_code, line_width,
line_price, tax_rate)

update customer set cus_balance = cus_balance + 1100 * 0.8

date = '2016-5-11' where cus_code = 100.10
Commit

~~Beg~~

KAGHAZ
CamScanner

day / date:

(b) Begin Transaction

Insert into payments (print_id, cus_code, Print_date, print_amount, print_type, value

(3428, 10010, 2016-06-03, 100.0, 'cash')

UPDATE customer set cus_balance = cusbalance - 100

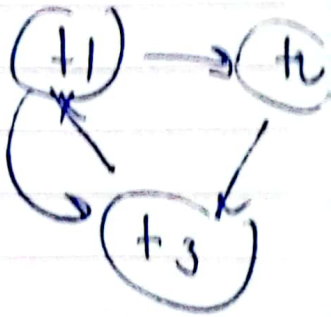
date = 2016-06-03

where cus_code = 10010

Commit

Q3 a

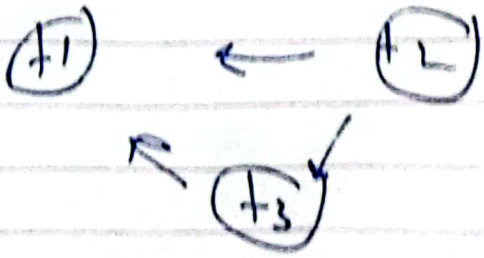
t1	t2	t3
r(x)		r(x)
w(x)		
	r(x)	
		w(x)



not serializable

(b)

t1	t2	t3
		r(x)
	r(x)	
		w(x)
r(x)		
w(x)		



✓ serializable

day / date:

(b)

t1 t2 t3

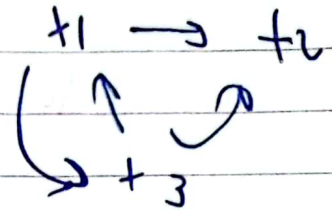
r(x)

r(x)

w(x)

w(x)

r(x)



not

(c) (d)

t1 t2 t3

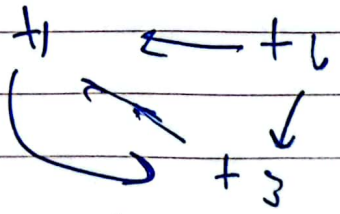
w(x)

r(x)

r(x)

w(x)

w(x)



not serializable