

Section A. Multiple Choice Questions. Answer on the OCR form. [1 mark each]

1.(d) 2.(c) 3.(a) 4.(e) 5.(b) 6.(e) 7.(b) 8.(e) 9.(c) 10.(e)

- a. Find the names of items which have both red and yellow colors. [3 marks]

```
SELECT i.name
FROM item i
WHERE i.color='red'
INTERSECT
SELECT i.name
FROM item i
WHERE i.color='yellow'
```

- b. Find the total quantities of different colored items ordered in 2013. [3 marks]

```
SELECT SUM (oi.QTY)
FROM order o, item i, order_item oi
WHERE o.oid=oi.oid and oi.iid = i.iid and o.order_date='2013'
GROUP BY i.color
```

- c. Find the client names who spend most money on ordering items. [4 marks]

```
SELECT c.name
FROM client c, order o, order_item oi
WHERE c.cid=o.client_id and o.oid=oi.oid
GROUP BY c.name, c.cid
HAVING SUM (oi.price) >=ALL (
SELECT SUM (oi1.price)
FROM order o1, order_item oi1
WHERE o1.oid=oi1.oid
GROUP BY o1.client_id
)
```