2003 ASL
Computer Applications
Paper 1 Section B
(Sharing)

Law Hing Man
8. SQL

(a) Simple Query

- contains 'Shatin' or 'SHATIN'

✓ $, like or at()

✗ upper() or lower()

✗ missing ' or ''

✗ misuse of "like" and "%"

✗ misuse of "or"
8. SQL

(b) Sub-query

- Display id of the student with the highest score and the highest score

  ✗ Simple query
  
  ```sql
  select sid, max(score) from ...
  ```

  ✗ Sub-query without ( )
8. SQL

(c) Join table and sorting
   - missing join conditions
   - misuse of "order by"
   - misuse of "and"

(d) Aggregate function count(*)
8. SQL

(e) (i) Aggregate function avg()

× average()

(ii) Sub-query

Q.8: Fairly well answered
9. Excel

(a) IF function and logical values
   ∙ "TRUE"
   ∙ "0"

(b) Nested IF and VLOOKUP
   ∙ missing conditions
   ∙ missing "$" in VLOOKUP range
9. Excel

(c) COUNTIF and multiple worksheets
  ✗ missing "$" in COUNTIF range
  ✗ Wrong syntax in multiple worksheets

(d) (i) Concept (blank cell)
  50 / 50

(ii) RAND function
  Too difficult
9. Excel

(e) Concepts (Auto-recalculation)
Difficult

(f) Steps for creating a Pie Chart
Easy

Q.9: Poorly answered
10. Web Filtering

(a) Domain concepts
- Same: x.com and x.com.jp
- Different: www2.y.com and y.com

(b) Filtering rules and IP concepts
Weak
10. Web Filtering

(c) Comparisons of 3 proposals
   Hard to point out the major advantage.

(d) Computer virus, firewall
   Good

(e) Comparisons of backup methods
   Hard to mention the disadvantage
Q.10: Fairly well answered