注意事項：不用抄題目，但須清楚標明題號，並按順序作答。

1. What is Skype? How could you use Skype to call your adviser's mobile phone? (5%)

2. What is the difference between HyperMedia and Multimedia? (10%)

3. What is the application difference between JPEG and MPEG format? If you use the digital camera to take photos, which format is the most common format applied to store the photos? (5%)

4. Is the music quality of MP3 player suitable for car stereo? Please give your reasons. (5%)

5. (a) If you set up a web site which only provides educational materials with advertisements, can you make money? (5%)

   (b) Give the explanation for your answer in 6(a). (5%)

6. Please distinguish the difference between hacking and cracking. (10%)

7. What number represents the number 1/4 in base 4? (5%)

   the number 1/4 in base 2? (5%)

8. The operator ++ means *increment by one*. 

   (a) Let x=1, y=1. Perform prefix operation, x=y++, then x=?, y=? (5%)

   (b) Continuing the computation from 9.a, perform postfix operation x=++y, then x=?, y=? (5%)

9. What is “Google Earth”? How could you apply it for e-learning and education? Please give all the reasonable answers. (20%)

10. “Ubiquitous computing” is one of the developments in information technology. Please describe its technology, and discuss its educational applications. (10%)