

本試題是否可以使用計算機：可使用，不可使用（請命題老師勾選）

Total 100 points

1. (10%) What functional units are included in a computer system based on Von Neumann architecture?
2. (10%) Compare sequential access and random access.
3. (10%) What components are included in a central processing unit (CPU)?
4. (10%) Describe disadvantages when we use arrays to store data.
5. (10%) List three main principles of objected-oriented programming.
6. (10%) What is a time-sharing system?
7. (10%) List deadlock necessary conditions in operating systems.
8. (10%) Compare high-level languages and low-level languages.
9. (10%) What is indirect recursion? Please also give an example.
10. (10%) What are essential attributes of good software?