

國立高雄師範大學 101 學年度學士班轉學生招生考試試題

系所別：工業科技教育學系二年級

科 目：工業科技（含傳播科技、計算機概論）

※注意：1.不必抄題，作答時請將試題題號及答案依照順序寫在答案卷上，於本試題上作答者，不予計分。

2.限用藍色或黑色之鋼筆、原子筆作答，以鉛筆或其他顏色作答者不予計分。

一、二進位、八進位、十六進位轉換（10%）

1. $(65.43)_8 = (\quad)_{16}$

2. $(1001110111000.00111)_2 = (\quad)_{16}$

二、CPU 核心概念（每格 2%，共 24%）

1. A _____ is the register in a computer's processor, or central processing unit, CPU, that stores the data being transferred to and from the immediate access store.
2. The _____ is a CPU register that either stores the memory address from which data will be fetched to the CPU or the address to which data will be sent and stored.
3. The _____ is the portion of a computer system that carries out the instructions of a computer program, and is the primary element carrying out the computer's functions.
4. There are four steps that nearly all CPUs use in their operation: _____, _____, _____, and _____.
5. In computing, an _____ is a digital circuit that performs _____ and _____ operations.
6. _____ is a form of computer data storage. it is often associated with volatile types of memory, where its stored information is lost if the power is removed.
7. A CPU _____ is used by the central processing unit of a computer to reduce the average time to access memory. it is a smaller, faster memory which stores copies of the data from the most frequently used main memory locations.

（背面有題 續翻背面）

系所別：工業科技教育學系二年級

科 目：工業科技（含傳播科技、計算機概論）

三、網路概論專有名詞（寫出中英文名稱）（每題 2%，共 16%）

舉例：WWW=((World Wide Web))(write by english)====((全球資訊網))

1. DNS=()====()
2. ISDN=()====()
3. NNTP=()====()
4. FTP=()====()
5. ADSL=()====()
6. TCP=()====()
7. HTTP=()====()
8. IP=()====()

四、請就下圖及提示各點說明傳播科技的定義：（20%）

- 致能（enabling）
- 限制（limiting）
- 動機（motivating）
- 抑制（inhibiting）

Figure 1.1
**The Umbrella Perspective on
Communication Technology**



Source: A. E. Grant

五、簡答題：

請說明下列與行動運算相關之縮寫之意涵、功能與其對行動運算之影響。（30%）

1. 2G
2. 3G
3. Super 3G
4. CDMA
5. TDMA
6. Wi-Fi
7. WiMAX
8. Bluetooth
9. RFID
10. WPAN