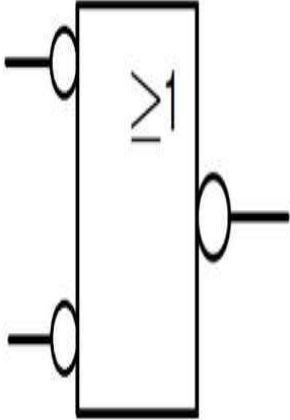


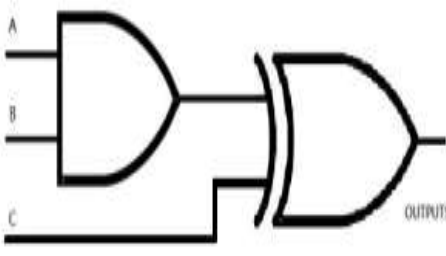
題號	答案	題目
1 0020994	A	What information is shown on the PFD ? (A) altitude, attitude, vertical speed, heading (B) altitude, attitude, vertical speed, VOR bearing (C) altitude, attitude, vertical speed, heading, VOR deviation (D) altitude, attitude, vertical speed, heading, wind speed 哪些資訊顯示在PFD? (A) 高度,姿態,垂直速度,航向 (B) 高度,姿態,垂直速度,特高頻多向導航台方位 (C) 高度,姿態,垂直速度,航向,特高頻多向導航儀飄移 (D) 高度,姿態,垂直速度,航向,風速
2 0020819	C	The decimal number 29 is equivalent to the binary number: (A) 10111 (B) 11011 (C) 11101 十進制數 29 等於下列何者二進制數 (A) 10111 (B) 11011 (C) 11101 (D) 10101
3 0020881	B	The DAC used in a successive approximation ADC is usually: (A) ramp type (B) binary weighted type (C) successive approximation type (D) unipolar type 應用於循序式類比數位轉換器的數位類比轉換器通常是何種類型 (A) 斜坡型 (B) 二進位權重型 (C) 連續近似型 (D) 單極
4 0048484	B	An aircraft databus system (A) can use both ARINC 629 and ARINC 429 as they are compatible. (B) can use both systems, ARINC 629 and ARINC 429 via system card files and signal gateways. (C) cannot use both ARINC 629 and ARINC 429 data buses. (D) can only use ARINC 629. 飛機資料匯流排系統: (A) 可以使用航空無線電公司629 標準和429 標準(ARINC 629 和 ARINC 429), 因為它們是相容的 (B) 可以使用兩個系統, 航空無線電公司629 標準和 429 標準(ARINC 629 和 ARINC 429) 經由系統的介面卡檔案和信號閘道 (C) 不能使用航空無線電公司629 標準和 429 標準(ARINC 629 和 ARINC 429) 的資料匯流排 (D) 僅能使用 航空無線電公司629 標準
5 0048542	C	The output of an AND gate having two inputs A and B is logic 1. The two inputs will have the logic states of (A) A = 0, B = 0. (B) A = 1, B = 0. (C) A = 1, B = 1. (D) A = 0, B = 1. 及閘的輸出為邏輯 1, 有A 和B 兩個輸入, 這兩個輸入的邏輯狀態將是: (A) A = 0, B = 0 (B) A = 1, B = 0. (C) A = 1, B = 1. (D) A = 0, B = 1.
6 0020796	A	A DAC can produce 256 different output voltages. This DAC has a resolution of: (A)8 bits (B)64 bits (C)128 bits 數位類比轉換器可產生 256 種不同輸出電壓, 此轉換器具有解析度為? (A)8位元 (B)64位元 (C)128位元
7 0020793	C	A 10-bit DAC is capable of producing: (A)10 different output levels (B)100 different output levels (C)1024 different output levels 一個10位元之數位類比轉換器可產生: (A)10 種不同之輸出電壓準位 (B)100 種不同之輸出電壓準位 (C)1024 種不同之輸出電壓準位

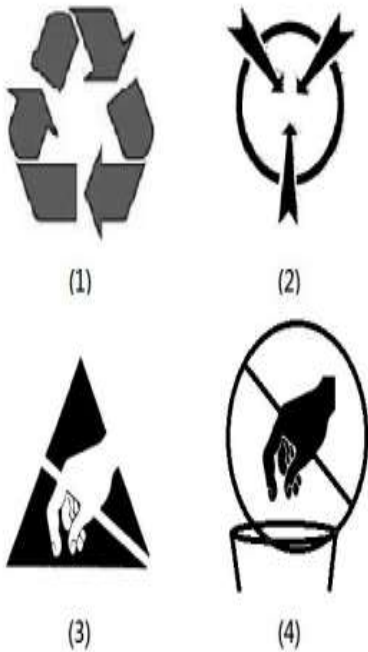
題號	答案	題目
8 0020800	B	A seven segment LED display has segments a, b, c, d, and g illuminated. The character displayed will be: (A)2 (B)3 (C)5 LED 七節顯示器發光部位 a,b,c,d,g 將組成下列何種數字 (A)2 (B)3 (C)5
9 0021156	C	which of the following is not used by acars to report acms (A)VHF voice data radio (B)satellite communication system (C)GPS 下列何者不是經由ACARS回報ACMS產生之資料 (A)VHF無線電 (B)衛星通訊系統 (C)GPS
10 0027082	C	The ARINC 429 is used for data transfers in and out of an aircraft system. How can a receiver find out when the next 32 bits data word will start? (A)by internal clock signal (B)after a 2 to 4 bit gap (C)after a 4 to 8 bit gap ARINC 429 是用在飛機系統的資料傳進與傳出，請問一個接收器如何知道下一個 32 bits 的資料何時將啟動？ (A)用內部的時脈信號。 (B)2 - 4 bits 間距以後。 (C)4 - 8 bits 間距以後。
11 0020838	A	Which one of the following gives the two's complement of the binary number 10110? (A)01010 (B)01001 (C)10001 下列何者等於二進制數 '10110' 之2補數？ (A)01010 (B)01001 (C)10001
12 0020846	B	The number system which uses the numbers 0 to 9 followed by the letters A to F is: (A)alpha numeric (B)hexadecimal (C)octal 下列何種數字系統使用 0~9及A-F 表示資料？ (A)alpha numeric (B)hexadecimal (C)octal
13 0027094	B	What is the advantage of digital displays over analogue indicators? (A)Digital displays provide a higher rate of information. (B)Digital display information is filtered by significance and can be displayed in color. (C)Digital displays have better illumination. 與類比指示器相比，數位顯示器的優勢是什麼？ (A)數位顯示器提供的資訊率較多。 (B)數位顯示的資訊，是依重要程度來過濾，依彩色來顯示。 (C)數位顯示器有更好的亮度。
14 0020801	C	A standard TTL logic gate has a fan-out of: (A)1 (B)5 (C)10 一個標準 TTL (Transistor-Transistor-Logic) 邏輯閘在正常工作具備幾個扇出(fan-out) (A)1 個 (B)5 個 (C)10 個

題號	答案	題目
15 0020805	B	Convert binary 1110 to its decimal equivalent: (A)13 (B)14 (C)15 二進制數 '1110' 等於下列何項十進制數？ (A)13 (B)14 (C)15
16 0027139	D	The static electrical charge of a person can destroy electrostatic sensitive devices (ESD). What is the maximum voltage a person build up? (A)several mini-volts (B)several volts (D)several thousand volts 一個人的靜電可以摧毀靜電敏感裝置（ESD）。請問一個人最高可以建立多少伏的靜電？ (A)幾微伏特 (B)幾伏特 (D)幾千伏特
17 0020862	C	In a basic T-configuration of instruments: (A)the Attitude Direction Indicator appears on the left and the Airspeed Indicator appears on the right (B)the Attitude Direction Indicator appears on the left and the Horizontal Situation Indicator appears on the right. (C)the Airspeed Indicator appears on the left and the altimeter appears on the right. 於基本T型儀表配置，下列何是正確的 (A)姿態方位儀位於左側,空速表位於右側 (B)姿態方位儀位於左側，水平狀態儀位於右側 (C)空速表位於左側,高度表位於右側
18 0020866	B	In a bipolar ADC a logic 1 in the MSB position indicates: (A)zero input voltage (B)negative input voltage (C)positive input voltage 一雙極性類比數位轉換器輸出中，MSB 為 1 時，代表何種意義？ (A)零輸入電壓 (B)負輸入電壓 (C)正輸入電壓
19 0020869	B	In an EFIS with three symbol generators, what is the purpose of the third symbol generator? (A)Comparison with the pilot's symbol generator (B)Standby in case of failure (C)To provide outputs for ECAM 在具有三套符號產生器之電子飛行儀表系統 (EFIS) 中，裝置第三套符號產生器之目的為何？

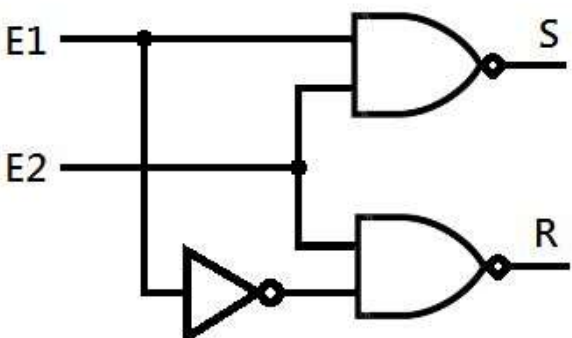
題號	答案	題目
20 0027189	C	What does the logic schematic mean in the figure? (A)NAND (B)NOR (C)AND 圖裡的邏輯意指什麼？ (A)NAND (B)NOR (C)AND 
21 0020871	C	Light propagates in a fibre optic by means of: (A)modal dispersion (B)continuous refraction (C)total internal reflection 光在光纖中以下列何種方式傳遞？ (A)模態散射 (B)連續折射 (C)內部全反射
22 0027272	A	What is the name for an individual light beam in a fiber optic system? (A)mode (B)index (C)band 在光纖系統裡，個別的光束的名稱是什麼？ (A)模態 (B)指教 (C)頻帶
23 0027277	B	What device can convert light signals into electrical signals? (A)an optical transmitter (B)an optical receiver (C)an electric transmitter 什麼裝置可以將光信號轉換成電信號？ (A)光發射器 (B)光接收器 (C)電發射器
24 0020872	A	Light waves in fibre optic cables are: (A)in the infrared spectrum (B)in the ultraviolet spectrum (C)in the visible spectrum. 光纖中之光波屬於下列何種光譜範圍？ (A)紅外光波段 (B)紫外光波段 (C)可見光波段
25 0027303	B	Electromagnetic induction or electromagnetic radiation emitted from an external source can affect an electrical circuit. What is this type of disturbance called? (A)HIRF (B)EMI (C)EMC 從外部來源放射的電磁感應或電磁輻射可以影響到電路，這種類型的干擾叫什麼名字？ (A)高強度輻射廠 (B)電磁干擾 (C)電磁相容

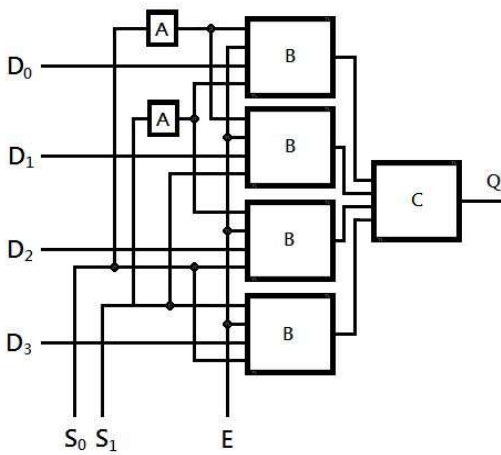
題號	答案	題目
26 0020875	A	Secondary heading information is obtained from: (A)the gyro (B)the compass (C)the pitot-static system 次要之航向資訊可由下列何種裝置獲得？ (A)陀螺儀 (B)羅盤 (C)動靜壓系統
27 0020877	C	The advantage of an R-2R ladder DAC is that: (A)it uses less resistors overall (B)it uses a smaller number of analogue switches (C)it avoids having a large number of different value resistors. 下列何者是R-2R 階梯型數位類比轉換器之優點？ (A)整體使用較少之電阻 (B)使用較少量之類比開關 (C)避免使用大量不同數值之電阻
28 0020879	A	The attenuation of an optical fibre is typically: (A)less than 2 dB per km (B)between 2 dB and 20 dB per km (C)more than 20 dB per km. 一般光纖訊號之衰減大約為？ (A)每公里少於 2dB (B)每公里介於 2 dB 至 20 dB 之間 (C)每公里超過 20 dB
29 0020883	B	The Electronic Flight Instrument System (EFIS) fitted to a large aircraft usually consists of: (A)a single multi-function display (B)separate primary flight and navigation displays (C)a primary display with several standby instruments. 裝置於大型民航飛機之電子飛行儀表系統 (EFIS) 通常包含下列何者裝置？ (A)單一多功能顯示器 (B)分離之主飛行顯示器與導航顯示器 (C)主顯示器與多種備份儀表
30 0021075	A	What is the integral resistance of the wrist strap? (A)1 MΩ (B)100MΩ (C)100KΩ 靜電環完整電阻為 (A)1 MΩ (B)100MΩ (C)100KΩ
31 0027377	B	Which device has an analog to digital (A/D) converter inside? (A)dial ohmmeter (B)digital ohmmeter (C)digital watch 哪個設備裡面有類比數位 (A/D) 轉換器？ (A)刻度盤歐姆表 (B)數位歐姆表 (C)電子錶

題號	答案	題目																																								
32 0027413	D	Please write down the outputs value in the figure from top to bottom. (A)1 0 0 0 0 0 0 0 (B)1 1 0 0 0 0 1 1 (D)0 1 1 1 1 0 0 0 請由上到下寫下圖中的輸出值。 (A)1 0 0 0 0 0 0 0 (B)1 1 0 0 0 0 1 1 (D)0 1 1 1 1 0 0 0  <table data-bbox="564 680 772 1126"><thead><tr><th colspan="3">INPUTS</th><th>OUTPUTS</th></tr><tr><th>A</th><th>B</th><th>C</th><th></th></tr></thead><tbody><tr><td>1</td><td>1</td><td>1</td><td>?</td></tr><tr><td>1</td><td>0</td><td>1</td><td>?</td></tr><tr><td>0</td><td>1</td><td>1</td><td>?</td></tr><tr><td>0</td><td>0</td><td>1</td><td>?</td></tr><tr><td>1</td><td>1</td><td>0</td><td>?</td></tr><tr><td>1</td><td>0</td><td>0</td><td>?</td></tr><tr><td>0</td><td>1</td><td>0</td><td>?</td></tr><tr><td>0</td><td>0</td><td>0</td><td>?</td></tr></tbody></table>	INPUTS			OUTPUTS	A	B	C		1	1	1	?	1	0	1	?	0	1	1	?	0	0	1	?	1	1	0	?	1	0	0	?	0	1	0	?	0	0	0	?
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33 0027481	C	How does a PROM store binary information? (A)by magnetizing ferromagnetic material (B)by making a series of tiny pits in the top of the polycarbonate layer (C)opens a path by short bursts of current 可程式化唯讀記憶體(PROM) 是如何儲存二進制資訊? (A)將鐵磁材料磁化 (B)在聚碳酸酯層的頂部，製造一系列微小的坑洞 (C)由電流的短爆炸來																																								
34 0027566	D	What type of optical fiber cables are used normally? (1) step index fiber cable (2) graded index multimode fiber cable (3) single mode fiber cable (A)(1) and (2) only (B)(1) and (3) only (D)(1), (2) and (3) 正常使用些類型的光纖電纜？（1）step index fiber cable （2）graded index multimode fiber cable （3）single mode fiber cable (A)只有（1）和（2） (B)只有（1）和（3） (D)（1），（2）和（3）																																								
35 0027574	C	What is an advantage of fiber optics? (A)The terminations need no special care. (B)It is easy to install in an aircraft. (C)The energy levels are harmless to maintenance personnel. 什麼是光纖的優點？ (A)終端不需要特殊的照顧。(B)這是很容易安裝在飛機上。(C)能量基準對維修人員是無害																																								
36 0021183	B	Morse code is used to confirm the NDB: (A)Frequency (B)Name (C)Bearing 摩斯電碼是用來確定NDB之？ (A)頻率 (B)名稱 (C)方位																																								

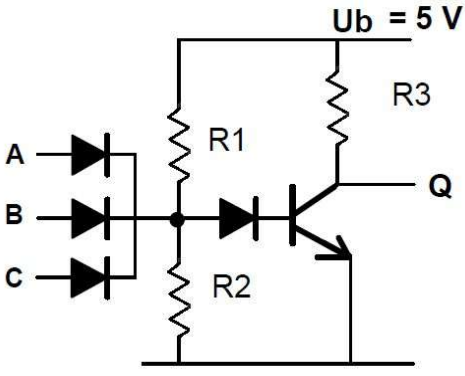
題號	答案	題目
37 0027597	D	Up to how much of voltage is used inside of the CRT display? (A)110 V (B)400 V (D)40,000 V 使用的陰極射線管顯示器的內部最高有多少電壓？ (A)110 V (B)400 V (D)40,000 V
38 0027637	C	What are the ESD symbols in the figure? (A)(1) and (3) (B)(1) and (4) (C)(2) and (3) 在圖中哪些是 ESD 的符號？ (A) (1) 和 (3) (B) (1) 和 (4) (C) (2) 和 (3)  (1) (2) (3) (4)
39 0027677	B	What is the document DO-178? (A)It is a RTCA document dealing with the transport communications and systems engineering solutions. (B)It is a RTCA document dealing with the safety of software used in airborne systems. (C)It is an EUROCAE document dealing with the transport communications and systems engineering solutions. 什麼是 DO-178 的文件？ (A)這是一個 RTCA 的文件，用於處理運輸通信和系統工程解決的方案。(B)這是一個 RTCA 的文件，用於處理機載系統軟體的安全。(C)這是一個 EUROCAE 的文件，用於處理運輸通
40 0021184	B	What value is binary 10110 represented in the decimal system? (A)21 (B)22 (C)23 二進位制數字10110轉換成十進位制為多少？ (A)21 (B)22 (C)23
41 0027088	D	How many displays (CRT or LCD) are in the EFIS system in a large commercial aircraft? (A)four only (B)six only (D)It depends on system configuration. 在一個大型商用飛機的 EFIS 系統裡，有多少個顯示器 (CRT 或是 LCD)？ (A)只有 4 個 (B)只有 6 個 (D)這取決於系統的配置。

題號	答案	題目
42 0027095	D	The EIS displays in the cockpit... (A)...can manage different tasks at the same time. (B)... are always identical for ease of comparing data. (D)...can be switched depending on the tasks performed. 在駕駛艙內的 EIS 顯示器... (A)...可以同時管理不同的工作。(B)...總是相同的，所以他們可以互相比較。(D)...可以依工作的執行來切換。
43 0027138	D	What is the meaning of the "Basic T"? (A)In a glass cockpit all 6 displays are arranged like a "T". (B)In a glass cockpit the EFIS and ECAM displays are arranged in a T-style. (D)In a classic cockpit airspeed indicator, ADI, HSI and altimeter are arranged in a T-style. "Basic T" 的含義是什麼？ (A)在電腦控制導航的駕駛艙中，所有 6 個顯示器的排列像一個“T”。(B)在電腦控制導航的駕駛艙中，EFIS 和 ECAM 顯示被安排得像 T 型式。(D)在一個傳統的駕駛艙，空速指示
44 0027156	C	Indicators in the cockpit are arranged as "BASIC T". What indicator is on the left? (A)attitude director indicator (B)horizontal situation indicator (C)airspeed indicator 在駕駛艙內的儀表以“BASIC T”方式來安排，何種儀表放在左邊？ (A)姿態方位儀 (B)水平狀態儀 (C)空速表
45 0048434	B	Analogue logic 1 is. (A)closed switch, Logic Q=0. (B)closed circuit, Logic Q=1. (C)open circuit. 類比邏輯 1 是： (A)接通電門，Q = 0 的邏輯 (B)接通電路，Q = 1 的邏輯 (C)電路開路
46 0048669	A	Which alert message of the EICAS requires immediate attention? (A)A. Level A (B)B. Level B (C)C. Level C 何種警報信號在EICAS需要立即注意？ (A)A. Level A (B)B. Level B (C)C. Level C
47 0066320	A	The base of any system is always expressed in (A)decimal numbers. (B)symbols numbers. (C)numerical values.
48 0066357	A	Aeroplanes typically have five types of computers as categorized by _____. (A)task or application (B)digital or analogue (C)direct-current or alternate-current
49 0066365	A	The circuits used to interface digital computers to the analogue world are referred to as (A)DAC and ADC. (B)CPU. (C)digital bus.
50 0066418	A	Which one is a faster Half Duplex format, currently used on the Boeing 777 ? (A)ARINC 629. (B)ARINC 429. (C)MIL-STD-1553B.
51 0066422	A	Which one of the followings employs unidirectional transmission? (A)ARINC 429 (B)ARINC629 (C)MIL-STD-1553
52 0066707	C	A fiber optic cable consists of (A)a plastic core with a cladding having a higher refractive index. (B)a silica glass core with a cladding having a higher refractive index. (C)a silica glass core with a cladding having a lower refractive index.

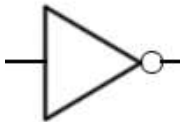
題號	答案	題目
53 0066712	B	Most present day applications that use _____. (A)Multimode step-index fibres (B)multimode graded-index fibres (C)single mode graded-index fibres
54 0066713	A	Optical cable structure and material composition depend on the conditions of operation and (A)intended application. (B)extended application. (C)out of tended application.
55 0027086	C	What is the main advantage of an EFIS system compared to conventional aircraft instruments?(A) An EFIS system is more accurate in displaying values. (B) An EFIS system is cheaper. (C) An EFIS system only shows relevant data. 與傳統的飛機儀表相比，EFIS 系統的主要優勢是什麼？(A) EFIS 系統顯示值更準確。(B) EFIS 系統比較便宜。(C) EFIS 系統只顯示相關數據。
56 0027512	A	What is true about the DMA (Direct Memory Access) in the computer system? (A) DMA 在很短的時間內，傳輸大量的數據而不用到 CPU。(B) DMA 與外來的記憶體溝通，以建立通信規則。(C) DMA 從直接記憶體運作，轉譯平行和串列形式之間的數據。 在電腦系統中的 DMA (Direct Memory Access) 何者為真？(A) DMA 在很短的時間內，傳輸大量的數據而不用到 CPU。(B) DMA 與外來的記憶體溝通，以建立通信規則。(C) DMA 從直接記憶體運作，轉譯平行和串列形式之間的數據。
57 0027440	A	What type of logic device is in the figure? (A) D-Flip Flop (B) T-Flip Flop (C) SR-Flip Flop 在圖中是什麼類型的邏輯裝置？(A) D型正反器 (B) T型正反器 (C) SR型正反器 
58 0048467	B	An ARINC 429 word label format is. (A) hexadecimal. (B) octal. (C) binary. (ARINC 429) 航空無線電公司429標準其字元標籤格式是：(A) 十六進位 (B) 八進位 (C) 二進位
59 0027510	C	If a high speed CPU needs to connect to a series device, what type of device is used to control this communication? (A) the ALU (B) the PIA (C) the UART 如果一個高速 CPU 需要連接到一個串聯裝置，什麼類型的裝置是用來控制這種通訊？(A) ALU (B) PIA (C) UART

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60 0027679	C	What document should be checked if you need a detailed definition of the software safety level for airborne systems? (A) DO-328 (B) DO-254 (C) DO-178 如果你需要一個機載系統軟體安全級別的詳細定義，什麼文件應當選用？(A) DO-328 (B) DO-254 (C) DO-178
61 0021147	A	LCD screens are driven by (A) AC voltage (B) Variable current DC voltage (C) Fixed current DC voltage 液晶顯示器是靠什麼驅動 (A) 交流電壓 (B) 變電流直流電壓 (C) 定電流直流電壓
62 0027545	B	The figure shows a multiplexer with some parts' names intentionally hidden. What type of device is the C? (A) an AND gate (B) an OR gate (C) a buffer 下圖為一個多工器，部份電路名稱以代號隱藏，請問圖中C應為何種裝置？(A) AND gate (B) OR gate (C) 緩衝區 
63 0021004	A	The resistance of R-2R ladder DAC(digital to analogue converter) is (A) has the two different value resistors (B) has the two resistors with same value (C) has a large number of the different value resistors 用在R-2R階梯數位到類比轉換器(digital to analogue converter DAC)之電阻是 (A) 有兩個不同數值之電阻 (B) 有兩個相同阻值之電阻 (C) 很多不同阻值之電阻
64 0027381	A	What is an analog data? (1) a variable signal converted by a D/A converter (2) a variable signal converted by an A/D converter (3) a continuously present, continuously variable signal (4) a physical signal in a sequence of discrete values (A) (1) and (3) (B) (1) and (4) (C) (2) and (3) 什麼是類比資料？(1) 一個由 D/A 轉換器轉換的可變信號 (2) 一個由 A/D 轉換器轉換的可變信號 (3) 一個連續出現，連續變化的信號 (4) 一個不連續序列的物理信號 (A) (1) and (3) (B) (1) and (4) (C) (2) and (3)

題號	答案	題目
65 0021097	A	Which of the following statement is not correct for the ATE? (A) ATE is a dedicated flight monitor that using a external equipment provides a variety of different functional checks (B) ATE is a dedicated ground test instrument that provides a variety of different tests and functional checks on an LRU (C) ATE systems tend to be dedicated to a particular avionic system and are expensive to develop and manufacture. 下列何者對ATE之描述是不正確? (A) ATE是使用外部設備作專用於飛行監控能提供不同多樣之功能檢查 (B) ATE是專用之地面儀器測試能對LRU提供不同多樣之功能檢查 (C) ATE是專用於特定之航電系統且製造和發展非常昂貴
66 0027247	C	What does the UART (Universal Asynchronous Receiver-Transmitter) do? (A) It synchronizes communication between the CPU and I/O device. (B) It translates data between the CPU and I/O device for the synchronous operation. (C) It translates data between parallel and serial forms for the asynchronous operation. UART (通用異步收發器) 是什麼呢? (A) 它把 CPU 和 I/O 設備之間的通信同步。 (B) 它轉譯 CPU 和 I/O 設備之間的資料做同步運作。 (C) 它轉譯並聯和串聯形式之間的資料做異步動作。
67 0048399	B	Binary coded decimal (BCD) format has a minimum of. (A) 2 lots of four. (B) four. (C) lots of four. 二進位編碼的十進位數具有最低的格式 (A) 兩倍多的4個位元組 (B) 4個位元組 (C) 多於4個位元組
68 0027501	B	What is NOT a microprocessor function? (A) fetching instructions from program memory (B) encoding instructions for other portions of the CPU (C) executing the desired operation 何者不是微處理器的功能? (A) 從程序記憶體取指令 (B) 對CPU的其他部分進行編碼的指令 (C) 執行所需的操作
69 0027602	B	What is the iron mask for in a CRT display? (A) It pulls the electron beam from the cathode. (B) It aligns the electron beam from the cathode. (C) It pushes the electron beam to the anode. 在陰極射線管顯示器中的iron mask用來做什麼? (A) 從陰極拉出電子束。(B) 從陰極對齊電子束。(C) 從陽極推出電子束。

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70 0027570	B	What is the ARINC 429? (A) It is a standard for aircraft onboard maintenance system. (B) It is an electrical and data format standard for a 2-wire serial bus with one sender and many listeners. (C) It is a multi-transmitter protocol where many units share the same bus. 什麼是 ARINC 429？(A) 它是一種用於飛機機載維護系統的標準。(B) 它是用於電氣和數據格式標準，由 2 線串列匯流排及一個發送方和許多收聽器所組成的。(C) 它是一個多重發送器通訊協定，其中許多單位共用相同的匯流排。
71 0048443	A	What is 'Throughput Rate' for the A/D converter? (A) Number of complete digital words encoded in a specified unit of time. (B) Number of complete analogue words encoded in a specified unit of time. (C) Speed of variable resistor which senses the analogue signal. 類比數位轉換器之通換率(throughput rate)意指？(A) 在指定的單位時間內數位字元完整編碼的數量(B) 在指定的單位時間內類比字元完整編碼的數量(C) 可變電阻器感測類比信號的速度
72 0020840	C	Which one of the following numbers could NOT be an octal number? (A) 11011 (B) 771 (C) 139 下列何者無法以八進制數表示 (A) 11011 (B) 771 (C) 139
73 0027250	B	What does a computing system DMA (direct memory access) do? (A) It translates data between parallel and serial forms for the asynchronous operation. (B) It allows certain subsystems to access system memory independent of the microprocessor. (C) It reads the data from system memory by using a microprocessor. 有關計算機系統 DMA (direct memory access) 之描述以下何者正確？(A) 它轉譯異步操作的並行和串行形式之間的資料。(B) 它允許某些子系統來獨立存取微處理器的系統記憶體。(C) 它使用一個微處理器系統記憶體來讀取資料。
74 0027424	C	What type of logic arrangement is in the figure? (A) AND gate in Diode-Logic technique (B) OR gate in Diode-Logic technique (C) NOR gate in Diode-Transistor-Logic technique 圖中是什麼類型的邏輯閘？(A) 二極體邏輯技術的AND gate (B) 二極體邏輯技術的OR gate (C) 二極體電晶體邏輯技術的NOR gate 

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75 0027457	C	Refer to the schematic. What conditions are required when the HPSOV is in the fully open position? (1) PRI mode (2) engine bleed switch in (3) HP/IP manifold pressure higher then setpoint (4) HP/IP manifold pressure lower or equal to setpoint (A) (1) and (3) only (B) (1) and (4) only (C) (1), (2) and (4) 參考原理圖，HPSOV 在完全打開的位置時，需要具備哪些條件？（1）PRI mode （2）發動機 bleed switch 在 in 的位置 （3）HP/IP manifold pressure 高於設定值 （4）HP/IP manifold pressure 低於或等於設定值 (A) 只有（1）和（3）。 (B) 只有（1）和（4）。 (C) 只有（1），（2）和（4）。
76 0027320	B	What information does the EFIS system provide? (1) navigation information (2) crew annunciations (3) maintenance information (4) flight information (A) (1) and (3) (B) (1) and (4) (C) (2) and (3) 電子飛航儀器系統提供哪些資訊？（1）導航資訊（2）組員通告（3）維修資料（4）航班資料 (A)（1）和（3）（B）（1）和（4）（C）（2）和（3）
77 0027274	C	What is a true statement on fiber optics light? (A) Fiber optic light is always invisible and does NOT damage your eyes. (B) Fiber optic light is always visible and does NOT damage your eyes. (C) Fiber optic light is always invisible and can damage your eyes. 有關光纖的光線敘述，何者正確？（A）光纖光線都是看不見的，並不會傷害你的眼睛。（B）光纖光線都是可見的，並不會傷害你的眼睛。（C）光纖光線都是看不見的，可能損害你的眼睛。

題號	答案	題目
78 0021076	A	What environment condition should be avoidance when deal with the ESDS components? (A) dry environments (B) wet environments (C) cold environments 當處理ESDS元件時，須避免下列何種環境？ (A) 乾燥環境 (B) 潮濕環境 (C) 寒冷環境
79 0027531	C	What is the maximum number of unique output lines used for 3 line inputs of a decoder? (A) 3 (B) 6 (C) 8 有一個 3 條輸入線的解碼器，其最多的獨立輸出線是多少？ (A) 3 (B) 6 (C) 8
80 0020888	C	The main advantage of monomode fibres is: (A) lower cost (B) smaller data cables (C) faster data rates 單模態光纖主要優點為何？ (A) 低成本 (B) 較小之資料纜線 (C) 更快之資料傳輸率
81 0020845	C	The display produced by a spectrum analyser shows : (A) frequency plotted against time (B) amplitude plotted against time (C) amplitude plotted against frequency 頻譜分析儀顯示下列何種資訊？ (A) 頻率與時間 (B) 振幅與時間 (C) 振幅與頻率
82 0027187	A	What logic symbol is in the figure? (A) NOT (B) NOR (C) NAND 在圖裡的邏輯符號是什麼？ (A) NOT (B) NOR (C) NAND 
83 0048406	B	100000000000 當十六進位F86轉換為二進位表示為？ (A) 1000010000110 (B) 111110000110 (C) 1000000000000
84 0027530	C	What is the maximum number of unique output lines for "n" line inputs of a decoder? (A) n (B) 2 times of n (C) the n power of 2 有一個 "n" 條輸入線的解碼器，其最多的獨立輸出線是多少？ (A) n (B) 2 倍的 n (C) 2 的 n 次方
85 0027650	C	What precaution is used to store the ESD components? (A) Store away from cooling sources like air conditioners. (B) Store away from noise sources like audio. (C) Store away from high energy sources like laser beams. 什麼是用來儲存 ESD 組件的預防措施？ (A) 存放於遠離冷源，例如空調。(B) 存放於遠離噪聲源，例如音響。(C) 存放於遠離高能量電磁波來源。

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86 0021111	A	Digital bus is (A) The path or circuit over which the digital devices communicate. (B) The path or circuit over which used to pass DC signals. (C) The circuit used to pass the AC power. 數位匯流排是 (A) 數位裝置間，用於數位資訊交流之路徑或電路 (B) 用來傳遞直流信號之路徑或電路 (C) 用來傳遞交流電源之電路
87 0027236	C	What type of computer can retain and monitor information from other systems? (A) reference computer (B) informational computer (C) storage/monitor computer 什麼類型的電腦，可以保留和監測來自其他系統的資訊？(A) 參考電腦 (B) 資訊電腦 (C) 儲存/監控電腦