[B] Name: 游舞竹   ID: b10902011

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1. (5%) (Yes or No) ALU can direct the operation of a microcomputer.

   No.   N.

2. (5%) (Yes or No) If a microcomputer can address 2^{16} KB address space, we call it a 16-bit CPU.

   No.   N.

3. (5%) (Yes or No) RAM in microcomputers is used to store program code.

   No.   N.

4. (15%) Three buses in in microcomputers are (1), (2) and (3).

   (1) Data bus 資料匯流排

   (2) address bus 位址匯流排

   (3) control bus. 控制匯流排

5. (15%) To be compatible with MCS-51 core, (4) unchanged, (5) unchanged, (6) unchanged to provide better compatibility. 腳位 指令集架構．匯流排. -15

   (4) 組合語言 ISA

   (5)   包裝

   (6)   bus.

   N.
   N.
   N.

6. (15%) A basic operation in microcomputers include (7), (8) and (9).

   CU、ALU、Register   fetch decode execute.
   (7)   (8)   (9)   -15

                                              b.d.e.

7. (20%) What are the features of a microcomputer?

   abef, d   (a) Complex multiple chips in a board   cf. with. PC.

   (b) Fast production, diversity and small amount

   (c) High speed and powerful computing   b.d.e.   -20

   (d) Basic Functions

   (e) Specific control and home appliance products

   (f) General computation work

8. (20%) What are not communication protocols?

   abd.   (a) PWM 授位控制輸也.

   (b) ADC 類比轉授位.

   (c) I2C 主從2.

   (d) WDT =0, 有error=1, reset program.

   (e) SPI 4.

   (f) CAN