

BBM433 Microprocessor

E-posta *

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Questions

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1)

Briefly discuss the difference between the control characters in the ASCII table from the others. Give the properties for the placement of characters in the ASCII code table.



resim_2020-11-1...



2)

Convert the following octal numbers into decimal:

- (a) 1234.5
- (b) 12.345
- (c) 7767.07
- (d) 123.45
- (e) 72.72



resim_2020-11-1...



3)

Convert the following binary numbers to the two's complement form:

- (a) 1000 0001
- (b) 1010 1100
- (c) 1010 1111
- (d) 1000 0000



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4)

Use the Internet to write a short report detailing 5 nm (nanometer)



fabrication technology.



resim_2020-11-1...



5)

Using the Internet, write a short report that details the TLB. Hint: You might want to go to the Intel Web site and search for information.



resim_2020-11-1...



6)

Write the actual values of the defined data for free spaces.

; Signed doubleword-sized data

| | | | | |
|------|----------|-------|----|-------|
| 000A | FFABCDEF | DATA4 | DD | |
| 000E | 000000EF | DATA4 | DD | |
| 0012 | F0000000 | DATA4 | DD | |



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