



Philadelphia University
Faculty of Engineering

Marking Scheme

Quiz Paper

BSc CE

Logic Circuits (630211)

First Quiz

Second semester

Date: 10/03/2019

Section 1

Weighting 5% of the module total

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Marking Scheme

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Marking Assignments

Question 1 This question is attributed with 5 marks if answered properly; the answers are as following:

1) The decimal equivalent of Binary number **11010** is:

- | | |
|--------------|--------------|
| a) 26 | b) 36 |
| c) 16 | d) 23 |

2) What does **10**₍₁₆₎ represent in decimal number system?

- | | |
|--------------|--------------|
| a) 10 | b) 16 |
| c) 0A | d) 15 |

3) Convert the binary number **1001.0010** to decimal

- | | |
|------------------|----------------|
| a) 90.125 | b) 125 |
| c) 9.125 | d) 12.5 |

4) Say that you are using unsigned binary to represent integers with **6 bits**. What **range** of integers can be represented?

- | | |
|--------------------|-------------------|
| a) 0 to 64 | b) 1 to 64 |
| c) 1 to 128 | d) 0 to 63 |

5) The octal number represented by the binary number **110111011.101**₂ is

- | | |
|-----------------|-----------------------------|
| a) 673.5 | b) 31311.21 |
| c) 1BB | d) none of the above |