Started on	Friday, 18 February 2022, 1:55 PM
State	Finished
Completed on	Friday, 18 February 2022, 1:57 PM
Time taken	2 mins 33 secs
Marks	5.00/5.00
Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Complete

Mark 1.00 out of 1.00

For A= 0 0 1 0 1 0 1 0 0 what will be arithmetic shift right ?

a. A= 0 1 1 1 0 1 0 1 0

b. A= 1 1 1 1 0 1 0 1 1

c. A= 0 0 0 1 0 1 0 1 0

d. A= 0 0 0 1 0 1 0 0 0

Question **2**

Complete

Mark 1.00 out of 1.00

The two numbers given below are multiplied using Booth's algorithm.

Multiplicand : 0101 1010 1110 1110

Multiplier: 0111 0111 1011 1101

How many additions/Subtractions are required for ?

a. **4 subtractions and 4 additions**

b. **3 subtractions and 4 additions**

c. **3 subtractions and 3 additions**

d. **4 subtractions and 3 additions**

Question **3**

Complete

Mark 1.00 out of 1.00

Using Booth's Algorithm for multiplication, the multiplier -57 will be recorded as?

a. **None of the mentioned**

b. **0 -1 0 0 1 1 1 -1**

c. **0 -1 0 0 1 0 0 -1**

d. **0 -1 0 0 1 0 1 -1**

Question **4**

Complete

Mark 1.00 out of 1.00

for B= 0 0 0 1 1 1 0 0 0 1 1 what will be the arithmetic shift right ?

a. 1 0 0 0 1 1 1 0 0 0 1

b. 0 0 0 0 1 1 1 0 0 0 1

c. **0 0 0 1 1 1 1 0 0 0 1**

d. 0 0 0 0 1 1 1 0 0 0 0 0

Question **5**

Complete

Mark 1.00 out of 1.00

When both integer are +ve i.e. (+ve) x (+ve) = (+ve) and Multiply 7 with 3 and register size is 4 bit. Choose the correct option?

a. 3 Cycles are required to complete the multiplication

b. 5 Cycles are required to complete the multiplication

c. 4 Cycles are required to complete the multiplication

d. 7 Cycles are required to complete the multiplication

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