***Syed Muhammad Sarim 24k-0718***

***Section 3:***

***Arithmetic and Conversion in Number System***

***5.Number System Conversion and Arithmetic***

***Q1.***

**156, 1024,255 in binary, octal and hexadecimal:**

* ***156:***

***Binary:***

(10011100)2

*Octal:*

(234)8

*Hexadecimal:*

(9C)10

* *1024:*

***Binary:***

(10000000000)2

*Octal:*

(200)8

*Hexadecimal:*

(400)10

* *255:*

***Binary:***

(11111111)2

*Octal:*

(377)8

*Hexadecimal:*

(FF)10

*Q2.*



*101101*



*+11011*

1001000



*111001*



*-001001*

110000



Q3.

110.101

110 is integer part

101 is decimal part

1 1 0 . 1 0 1



Integer: 4+2=6

Decimal:0.5 +0.125=0.625

Whole = 6.625