



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



WORKSHEET – 32

Topic: 1s complement

Subject: COMPUTER SCIENCE

Class - 11

F.M:15

Chapter: Data Representation

Date: 16/01/2021

Choose the correct answer for each question:

[5 X 1 = 15]

1) 8 bit 1's complement form of +23 is:

(a) 00010111(b) 10010111(c) 1100(d) None of these

2) 8 bit 1's complement form of -23 is:

(a) 00010111(b) 11101000(c) 1100(d) None of these

3) 8 bit 1's complement form of +34 is:

(a) 10100010(b) 00100010(c) 11111100(d) None of these

4) 4 bit 1's complement form of +5 is:

(a) 1010(b) 0010(c) 0101(d) 1101

5) The decimal equivalent of 8 bit 1's complement number 00010111 is:

(a) +23(b) -23(c) +32(d) -32

6) The decimal equivalent of 4 bit 1's complement number 1100is:

(a) +2(b) -2(c) +3(d) -3

7) The decimal equivalent of 8 bit 1's complement number 00100010 is:

(a) +24(b) -24(c) +34(d) -34

8) 8 bit 1's complement form of +123 is:

(a) 00010111(b) 11111011(c) 01111011(d) None of these

9) The decimal equivalent of 8 bit 1's complement number 11101000 is:

(a) +23(b) -23(c) +32(d) -32

10) 4 bit 1's complement form of -5 is:

(a) 1010(b) 0010(c) 0101(d) 1010

11) The decimal equivalent of 4 bit 1's complement number 0011 is:

(a) +2(b) -2(c) +3(d) -3

12) 16 bit 1's complement form of -1024 is:

(a) 1000010000100000(b) 1000010000000001(c) 0000010000000000

(d) 1111101111111111

13) 8 bit 1's complement form of -123 is:

(a) 00010111(b) 10000100(c) 01111011(d) None of these

14) The decimal equivalent of 8 bit 1's complement number 11011101 is:

(a) +24(b) -24(c) +34(d) -34

15) 8 bit 1's complement form of -34 is:

(a) 11011101(b) 00100010(c) 11111100(d) None of these

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