



ANSWER KEY – 29 TOPIC – DATA REPRESENTATION

SUBJECT: COMPUTER APPLICATION
F.M.:15

CLASS: XI
DATE: 15.08.2020

➤ Choose the correct option:

(1X15=15)

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

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

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

- (a) 00010111 (b) **11101001** (c) 1100 (d) None of these

3) 8 bit 2's complement form of +34 is:

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

4) 4 bit 2's complement form of +5 is:

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

5) 5 bit 2's complement form of +9 is:

- (a) **01001** (b) 11001 (c) 01010 (d) None of these

6) 4 bit 2's complement form of -2 is:

- (a) **1110** (b) 11001 (c) 01010 (d) None of these

7) 6 bit 2's complement form of +2 is:

- (a) **000010** (b) 011001 (c) 001010 (d) None of these

8) 8 bit 2's complement form of +123 is:

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

9) 5 bit 2's complement form of -15 is:

- (a) 01001 (b) **10001** (c) 01010 (d) None of these

10) 4 bit 2's complement form of -5 is:

(a) 1010

(b) 0010

(c) 0101

(d) 1011

11) 5 bit 2's complement form of +3 is:

(a) 01001

(b) 11001

(c) 00011

(d) None of these

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

(a) 1000010000100000

(b) 1000010000000001

(c) 0000010000000000

(d) 1111110000000000

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

(a) 00010111

(b) 10000101

(c) 01111011

(d) None of these

14) 8 bit 2's complement form of -47 is:

(a) 01001

(b) 11001

(c) 01010

(d) 11010001

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

(a) 11011110

(b) 00100010

(c) 11111100

(d) None of these

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