



ANSWER KEY – 27
TOPIC – DATA REPRESENTATION

SUBJECT: COMPUTER APPLICATION
F.M.:15

CLASS: XI
DATE: 08.08.2020

➤ Choose the correct option:

(1X15=15)

1) 8 bit sign magnitude form of +23 is:

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

2) 8 bit sign magnitude form of -23 is:

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

3) 8 bit sign magnitude form of +34 is:

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

4) 4 bit sign magnitude form of +5 is:

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

5) The decimal equivalent of 8 bit sign magnitude number 00010111 is:

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

6) The decimal equivalent of 4 bit sign magnitude number 1011 is:

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

7) The decimal equivalent of 8 bit sign magnitude number 00100010 is:

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

8) 8 bit sign magnitude form of +123 is:

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

9) The decimal equivalent of 8 bit sign magnitude number 10010111 is:

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

10) 4 bit sign magnitude form of -5 is:

(a) 1010

(b) 0010

(c) 0101

(d) 1101

11) The decimal equivalent of 4 bit sign magnitude number 0011 is:

(a) +2

(b) -2

(c) +3

(d) -3

12) 16 bit sign magnitude form of -1024 is:

(a) 1000010000100000

(b) 1000010000000001

(c) 0000010000000000

(d) 1000010000000000

13) 8 bit sign magnitude form of -123 is:

(a) 00010111

(b) 11111011

(c) 01111011

(d) None of these

14) The decimal equivalent of 8 bit sign magnitude number 10100010 is:

(a) +24

(b) -24

(c) +34

(d) -34

15) 8 bit sign magnitude form of -34 is:

(a) 10100010

(b) 00100010

(c) 11111100

(d) None of these

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