



WORKSHEET – 15 TOPIC – DATA REPRESENTATION

SUBJECT: COMPUTER APPLICATION
F.M.:15

CLASS: XI
DATE: 06.07.2020

➤ Choose the correct option:

(1X15=15)

1) $(1100.1)_2$ to its decimal equivalent gives:

- (a) 13.5 (b) 21.5 (c) 12.5 (d) None of these

2) $(0.2)_{16}$ to its decimal equivalent gives:

- (a) 0.012 (b) 0.125 (c) 0.25 (d) None of these

3) $(0.A)_{16}$ to its decimal equivalent gives:

- (a) 0.625 (b) 0.73 (c) 0.01 (d) None of these

4) $(13.4)_{16}$ to its decimal equivalent gives:

- (a) 17.5 (b) 12.5 (c) 19.5 (d) 19.25

5) $(31.2)_8$ to its decimal equivalent gives:

- (a) 31.2 (b) 2.31 (c) 19.4 (d) 25.25

6) $(11.8)_{16}$ to its decimal equivalent gives:

- (a) 37.2 (b) 17.50 (c) 21.4 (d) None of these

7) $(13.7)_8$ to its decimal equivalent gives:

- (a) 31.2 (b) 11.287 (c) 11.875 (d) 12.875

8) $(110111.11)_2$ to its decimal equivalent gives:

- (a) 55.75 (b) 55.65 (c) 50.15 (d) 55.35

9) $(B.B)_{16}$ to its decimal equivalent gives:

- (a) 31.6875 (b) 15.1585 (c) 11.6875 (d) None of these

10) $(21.4)_8$ to its decimal equivalent gives:

- (a) 31.2 (b) 11.9 (c) 17.023 (d) 17.50

11) $(19.4)_{16}$ to its decimal equivalent gives:

- (a) 31.2 (b) 28.31 (c) 27.27 (d) 25.25

12) $(10011.01)_2$ to its decimal equivalent gives:

- (a) 12.34 (b) 12.87 (c) 19.567 (d) 19.25

13) $(0.0101)_2$ to its decimal equivalent gives:

- (a) 0.3125 (b) 0.5232 (c) 0.3251 (d) None of these

14) $(0.001)_2$ to its decimal equivalent gives:

- (a) 0.198 (b) 0.325 (c) 0.125 (d) None of these

15) $(C.8)_{16}$ to its decimal equivalent gives:

- (a) 12.5 (b) 13.75 (c) 8.5 (d) None of these

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