



ANSWER KEY – 19 TOPIC – DATA REPRESENTATION

SUBJECT: COMPUTER APPLICATION
F.M.:15

CLASS: XI
DATE: 10.07.2020

➤ Choose the correct option:

(1X15=15)

1) $(10.110)_2$ to its hexadecimal equivalent gives:

- (a) **2.C** (b) 2.75 (c) 2.6 (d) None of these

2) $(0.1011)_2$ to its hexadecimal equivalent gives:

- (a) 0.198 (b) 0.325 (c) 0.54 (d) **0.B**

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

- (a) **0.101** (b) 0.111 (c) 0.011 (d) None of these

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

- (a) 17.5 (b) 12.5 (c) 19.5 (d) **23.2**

5) $(0.54)_8$ to its binary equivalent gives:

- (a) 0.1101 (b) **0.1011** (c) 0.0001 (d) 0.1111

6) $(0.AB)_{16}$ to its octal equivalent gives:

- (a) **0.526** (b) 0.543 (c) 0.562 (d) None of these

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

- (a) F.B (b) B.F (c) A.B (d) **B.E**

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

- (a) 55.75 (b) 67.6 (c) 37.B (d) **37.C**

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

- (a) **13.54** (b) 15.65 (c) 11.68 (d) None of these

10) $(10.110)_2$ to its octal equivalent gives:

- (a) 2.C (b) 2.75 **(c) 2.6** (d) None of these

11) $(4.BCD)_{16}$ to its octal equivalent gives:

- (a) 4.5715** (b) 4.5615 (c) 4.5555 (d) 4.7161

12) $(3.777)_8$ to its hexadecimal equivalent gives:

- (a) 3.FF8** (b) 3.ABC (c) 3.FAF (d) None of these

13) $(110111.11)_2$ to its octal equivalent gives:

- (a) 55.75 **(b) 67.6** (c) 37.B (d) 37.C

14) $(0.1011)_2$ to its octal equivalent gives:

- (a) 0.198 (b) 0.325 **(c) 0.54** (d) 0.B

15) $(2.C)_{16}$ to its octal equivalent gives:

- (a) 2.C (b) 2.75 **(c) 2.6** (d) None of these

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