ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

ANSWER KEY – 14

TOPIC – DATA REPRESENTATION

SUBJECT: COMPUTER APPLICATION **CLASS: XI**

F.M.:15 **DATE: 03.07.2020**

➢ **Choose the correct option:** **(1X15=15)**

1) $(12.5)_{10}$ to its binary equivalent gives:

(a) 1100.1 (b) 110.01 (c) 100.1 (d) None of these

2) $(0.125)_{10}$ to its hexadecimal equivalent gives:

(a) 0.001 (b) 0.3 **(c) 0.2** (d) None of these

3) $(0.37)_{10}$ to its hexadecimal equivalent gives:

(a) 0.5EB8 (b) 0.5EFC (c) 0.ABCD (d) None of these

4) $(19.25)_{10}$ to its hexadecimal equivalent gives:

(a) 13.4 (b) 12.4 (c) 13.5 (d) None of these

5) $(25.25)_{10}$ to its octal equivalent gives:

(a) 31.2 (b) 2.31 (c) 19.4 (d) None of these

6) $(17.50)_{10}$ to its hexadecimal equivalent gives:

(a) 31.2 **(b) 11.8** (c) 21.4 (d) None of these

7) $(11.11)_{10}$ to its octal equivalent gives:

(a) 31.2 (b) B.1C28 (c) 21.4 **(d) 13.07024**

8) $(55.75)_{10}$ to its binary equivalent gives:

(a) 111101.01 (b) 110111.01 (c) 101010.11 **(d) 110111.11**

9) $(11.11)_{10}$ to its octal equivalent gives:

(a) 31.2 **(b) B.1C28** (c) 21.4 (d) 13.07024

10) $(17.50)_{10}$ to its octal equivalent gives:
(a) 31.2 (b) 11.8 **(c) 21.4** (d) None of these

11) $(25.25)_{10}$ to its hexadecimal equivalent gives:
(a) 31.2 (b) 2.31 **(c) 19.4** (d) None of these

12) $(19.25)_{10}$ to its binary equivalent gives:
(a) 10111.01 **(b) 10011.01** (c) 1010.01 (d) None of these

13) $(0.37)_{10}$ to its binary equivalent gives:
(a) 0.1111 **(b) 0.01011** (c) 0.1011 (d) None of these

14) $(0.125)_{10}$ to its binary equivalent gives:
(a) 0.001 (b) 0.3 (c) 0.2 (d) None of these

15) $(12.5)_{10}$ to its hexadecimal equivalent gives:
(a) C8 (b) 7B.C (c) 8.C **(d) C.8**

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