ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

WORKSHEET – 19
TOPIC – DATA REPRESENTATION

SUBJECT: COMPUTER APPLICATION **CLASS: XI**
F.M.:15 **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

***

PRITHWISH DE