ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

ANSWER KEY – 13

TOPIC – DATA REPRESENTATION

SUBJECT: COMPUTER APPLICATION **CLASS: XI**

F.M.:15 **DATE: 02.07.2020**

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

1) $(100101)_2$ to its decimal equivalent gives:
(a) 63 (b) 73 (c) 36 **(d) 37**

2) $(45)_8$ to its decimal equivalent gives:
(a) 63 (b) 73 (c) 36 **(d) 37**

3) $(176)_8$ to its decimal equivalent gives:
(a) 123 **(b) 126** (c) 162 (d) 127

4) $(13254)_8$ to its decimal equivalent gives:
(a) 5804 (b) 5084 (c) 5408 (d) 5480

5) $(7E)_{16}$ to its decimal equivalent gives:
(a) 123 **(b) 126** (c) 162 (d) 127

6) $(9C5A)_{16}$ to its decimal equivalent gives:
(a) 40026 (b) 40027 (c) 40062 (d) 40063

7) $(25)_{16}$ to its decimal equivalent gives:
(a) 63 (b) 73 (c) 36 **(d) 37**

8) $(77)_8$ to its decimal equivalent gives:
(a) 63 (b) 73 (c) 36 (d) 37

9) $(1011)_2$ to its decimal equivalent gives:
(a) 11 (b) 12 (c) 13 (d) 14

10) $(11001)_2$ to its decimal equivalent gives:
(a) 25 (b) 52 (c) 26 (d) 62

11) $(FB)_{16}$ to its decimal equivalent gives:
(a) 159 (b) 250 (c) 118 **(d) 251**

12) The binary equivalent of $(17)_{10}$ is:
(a) 10101 **(b) 10001** (c) 10111 (d) 11001

13) $(10011)_2$ to its decimal equivalent gives:
(a) 19 (b) 20 (c) 18 (d) 21

14) $(177)_8$ to its decimal equivalent gives:
(a) 107 (b) 117 **(c) 127** (d) 137

15) $(1111110)_2$ to its decimal equivalent gives:
(a) 124 (b) 125 **(c) 126** (d) 127

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